

19980715.qrp v01_n153.qrs.980715

Date: Wed, 15 Jul 1998 19:04:54 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1153

QRP-L Digest 1153

Topics covered in this issue include:

- 1) [15115] 28 Mhz beacons
by n4so@juno.com (charles k brown)
- 2) [15116] NorCal Logo
by Jerry Parker <jparker@fix.net>
- 3) [15117] QRP/MM & AR QRP net
by Jim <kj5tf@madisoncounty.net>
- 4) [15118] FS: Yaesu FT-301S QRP rig
by "Alan Fryer" <n3bj@hotmail.com>
- 5) [15119] Callectro Panel Meter WTB
by K2UD@aol.com
- 6) [15120] Elmer 101: T1 not peaking
by penzo@juno.com (Michael A Penzo)
- 7) [15121] Cheap 10 meter antennas
by Dave and Connie <dmatt@frontiernet.net>
- 8) [15122] Re: QRP/MM & AR QRP net
by "George T. Baker" <w5yr@swbell.net>
- 9) [15123] ABOUT THAT "FUNNY FED" HALF SQUARE
by jdenison@morelr.com (JOEL DENISON)
- 10) [15124] Re: rec.radio.amateur.????
by "George T. Baker" <w5yr@swbell.net>
- 11) [15125] New AEA Complex Impedance Analyzer - HF
by "George T. Baker" <w5yr@swbell.net>
- 12) [15126] Re: New AEA Complex Impedance Analyzer - HF
by wd4et@juno.com
- 13) [15127] 38s schematic
by KC7MES@aol.com
- 14) [15128] TiCK Audio in SST?
by "Steve Galchutt" <n0tu@webaccess.net>
- 15) [15129] kit-boo?!?!?
by Mighty Mik <mitymik@hooked.net>
- 16) [15130] Re: New AEA Complex Impedance Analyzer - HF
by "George T. Baker" <w5yr@swbell.net>
- 17) [15131] RE: kit-boo?!?!? (more about Boo...)
by Conrad <radman@best.com>
- 18) [15132] Re: Elmer300: First Experiment
by ka7you@juno.com
- 19) [15133] joining open wire feed line?

- by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
- 20) [15134] FS: UNI-SOLAR SOLAR PANEL
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 21) [15135] Rainbow Enclosure Update
by "Doug Hauff" <slmachco@fix.net>
- 22) [15136] Preview: PC-9000 -- Patcomm's multi-bander
by Conrad <radman@best.com>
- 23) [15137] CAN THE SLV BE IMPROVED? (long)
by ARDUJENSKI@aol.com
- 24) [15138] Re: New AEA Complex Impedance Analyzer - HF
by "edwin a. crowell" <w5twr@rconnect.com>
- 25) [15139] Elmer 300: Hole Punch
by Bruce Muscolino <w6toy@erols.com>
- 26) [15140] Re: Elmer300: First Experiment
by Michael Neverdosky <MichaelN@cycat.com>
- 27) [15141] S51AP correct call?
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 28) [15142] RE: ABOUT THAT "FUNNY FED" HALF SQUARE
by cy r currier <crc3@telplus.net>
- 29) [15143] looking for built 20 meter or multiband
by "Jeff M. Gold" <JGold@tntech.edu>
- 30) [15144] Finding Unusual Dremel Parts
by "Bryan Turner" <turnerw@email.uah.edu>
- 31) [15145] Board mystery solved
by "Peter Orban" <peter@peter237.imti.nrc.ca>
- 32) [15146] The Tanner White/Boo
by MNHopkins@aol.com
- 33) [15147] RE: rec.radio.amateur.????
by Tracy@bytemark.com (Tracy)
- 34) [15148] Re: Finding Unusual Dremel Parts
by Chris Trask <ctrask@primenet.com>
- 35) [15149] Stuff for sale
by David Ek <ekdave@earthlink.net>
- 36) [15150] Thanks to all for QRPicnic
by Bill Jones <kd7s@psnw.com>
- 37) [15151] WTB small gelcel
by David Ek <ekdave@earthlink.net>
- 38) [15152] Re: S51AP correct call?
by Ab7wy@aol.com
- 39) [15153] Finding attenuation of sampler in dummy load
by PDouglas12@aol.com
- 40) [15154] Re: joining open wire feed line?
by David Fouchey <dafouche@jax-inter.net>
- 41) [15155] Re: Finding Unusual Dremel Parts
by "Brad Hernlem" <alihernlem@hotmail.com>
- 42) [15156] Re: Elmer300: First Experiment
by nhoop@centuryinter.net (Nat H)
- 43) [15157] FS/FT OLD Argonaut 505 - Needs Work

by "Jim Johnson" <km7h@gte.net>
44) [15158] Re: Finding Unusual Dremel Parts
by crc <crc@io.com>
45) [15159] QRP Good Will
by wd4et@juno.com
46) [15160] Re: Stuff for sale--keyer is sold
by David Ek <ekdave@earthlink.net>
47) [15161] MFJ 9020 xcvr
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
48) [15162] Spectrum Analyzer Article in Aug 98 QST
by w4pj@w4bkx.ampr.org
49) [15163] whither propagation/solar info
by Kodaly <kodaly@geocities.com>
50) [15164] Re: 38s schematic
by KC7MES@aol.com
51) [15165] Re: Elmer300: First Experiment
by John Bohnert <johnb@elmhurst.edu>
52) [15166] Need Advice
by Willie Martin <71052.134@compuserve.com>
53) [15167] magnetic loop antennas and QRP
by "Michael S. Williamson" <ag97@sendero.net>
54) [15168] rambles, on the patio and on the radio
by Kodaly <kodaly@geocities.com>
55) [15169] Re: QRP Good Will
by Scott Howell <showell@hq.nasa.gov>
56) [15170] Samlex PSA-305 P/S
by adams@chuck.dallas.sgi.com (Chuck Adams)
57) [15171] Sprint is THIS Sunday
by "Marshall Emm" <mgemm@mtechnologies.com>
58) [15172]
by "Michael S. Williamson" <ag97@sendero.net>
59) [15173] Re: Finding attenuation of sampler in dummy load
by W7LS <w7ls@blarg.net>
60) [15174] Trading fever strikes
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
61) [15175] Pad Cutters
by Steven Ciciora <scicior@uswest.com>
62) [15176] RE: AC6V Noiseless Feedback Amplifier
by "Robert P. Okas" <vintage@best.com>
63) [15177] Re: Spectrum Analyzer Article in Aug 98 QST
by David Fouchey <dafouche@jax-inter.net>
64) [15178] Items for sale
by joel malman <malman@world.std.com>
65) [15179] NEED SCOPE INFO
by claudewb9euu@juno.com (CLAUDE PALUSKI)
66) [15180] RE: AC6V Noiseless Feedback Amplifier
by Chris Trask <ctrask@primenet.com>
67) [15181] Samlex Power Supply info....

by Conrad <radman@best.com>
68) [15182] Re: MFJ 9020 xcvr
by Paul Harden <pharden@aoc.nrao.edu>
69) [15183] 11-2-10 (CB-2-10M) update...
by Conrad <radman@best.com>
70) [15184] Re: 11-2-10 (CB-2-10M) update...
by John Evans - N0HJ <jaevans@codenet.net>
71) [15185] Re: Need Advice
by "George T. Baker" <w5yr@swbell.net>
72) [15186] Freq-Mite: Good News/Bad News
by Paul Helbert <phelbert@rica.net>
73) [15187] Re: Need Advice
by "George T. Baker" <w5yr@swbell.net>
74) [15188] CB to 10 conversion
by "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>
75) [15189] SALE ARGO II
by dunk@jupiter.otherside.com (John Dunker)
76) [15190] Items for Sale
by joel malman <malman@world.std.com>
77) [15191] A'debuggin' we will go....
by "KA5T Larry Wise" <lewise@inetport.com>
78) [15192] Re: S51AP correct call?
by Bob Edwards <w4ed@flash.net>
79) [15193] BUBBA Sprint and WARC Bands
by Joe Gervais <vole@primenet.com>
80) [15194] 38 Special original assembly info
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
81) [15195] ELMER 101, 200, 300, HK.....
by "Juan David Zuloaga" <hk4bmg@epm.net.co>
82) [15196] 38 Spcl documentation: acquired!
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
83) [15197] Re: S51AP correct call?
by "laura halliday" <marsgal42@hotmail.com>
84) [15198] Neophyte 40 M receiver
by "Juan David Zuloaga" <hk4bmg@epm.net.co>
85) [15199] For Trade
by mwattcpa@earthlink.net (Marty Watt)
86) [15200] RV: Neophyte 40 M receiver
by "Juan David Zuloaga" <hk4bmg@epm.net.co>

Date: Tue, 14 Jul 1998 19:27:43 EDT
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [15115] 28 Mhz beacons
Message-ID: <19980714.062542.7319.2.n4so@juno.com>

2300z

yv5b 28.200 Heard consistantly the last 2 to 3 hours
at all power levels. If the signal is s-0, most of the time I can still
hear all four power levels down to 1/10 watt. No
other NCDXF/IARU beacons are heard at this time on 28.200.
Some transequatorial signals to py and ce but nothing worked at the low
end near 28.000.

28.210 kc4dpc Wilmington, NC

28.230 py3arl Consistantly comes in on transequatorial
propagation openings

28.280 k5ab Austin, TX

Ken Brown, N4SO

QTH nr Mobile, AL/ EM50tk

qrp-1 #622

n4so@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 14 Jul 1998 16:54:01 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [15116] NorCal Logo
Message-ID: <2.2.32.19980714235401.00c466d8@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The NorCal Logo is now available off the NorCal Page
at the bottom as a .zip file.

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Tue, 14 Jul 1998 18:56:50 -0500

From: Jim <kj5tf@madisoncounty.net>
To: qrp-1@Lehigh.EDU
Subject: [15117] QRP/MM & AR QRP net
Message-ID: <35ABF042.7BE6@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monday evening QRN was low and I was able to check-in to the 80M AR QRP net from my boat.

I was anchored in 40' of water, running 5w into a Hamstick. My only radial was a short wire long enuf to reach the water.

An interesting thing is that I'm able to get fine SWR's on 30, 40, and 80M but cant get below 2.5 on 20m! I tested the Hamstick on my truck and its fine there.

My theory is that the lake is too much ground plane for high bands. Is that crazy? 72/3'z de Jim AR QRP #2

Date: Tue, 14 Jul 1998 17:42:50 PDT
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [15118] FS: Yaesu FT-301S QRP rig
Message-ID: <19980715004251.4204.qmail@hotmail.com>
Content-Type: text/plain

For Sale:

Yaesu FT-301S in very nice condition, looks new. A rare find, works fine and a real classic QRP radio. Includes CW filter, installed.

\$350 shipped

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 14 Jul 1998 21:00:18 EDT
From: K2UD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [15119] Callectro Panel Meter WTB
Message-ID: <4277b362.35abff23@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I am looking for a Callectro 0-100mA DC panel mount ammeter. Possible part# DI-915. This meter has somewhat rounded edges as opposed to a squarish face. Looks like the Radio Shack panel mount DC voltmeter.

Trying to finish a QRP one-tube XMTR, this is one of the last parts I'm looking for. TNX all.

72,

Howard Kraus, K2UD

Date: Tue, 14 Jul 1998 21:27:47 EDT
From: penzo@juno.com (Michael A Penzo)
To: qrp-1@Lehigh.EDU
Subject: [15120] Elmer 101: T1 not peaking
Message-ID: <19980714.200435.4831.2.penzo@juno.com>

I thought I'd forward these results to the Elmer101 group Just in case anyone else experiences the same problems.

Thanks to Michael for his superb "elmering" efforts. I plan on following the remaining lessons and running the tests as prescribed by Mike. What a fantastic project this has been! By the way, operating this great little rig is a pleasure, super product from Mr. Benson.

Mike, KT4FJ
Stafford, VA.

----- Begin forwarded message -----
From: penzo
To: jokortge@mci2000.com
Cc: qrp-1@Lehigh.EDU
Subject: Re: Elmer 101: T1 not peaking
Date: Mon, 13 Jul 1998 19:58:01
Message-ID: <19980713.195712.4831.2.penzo@juno.com>
References: <199807081250_MC2-5286-6443@compuserve.com>

Jim,
I changed C1 to 68pf and T1 peaked just like it should! I also changed
R9 to 1 meg and the sidetone is just about right.
Thanks for your help,
Mike, KT4FJ
Stafford, VA.
----- End forwarded message -----

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 14 Jul 1998 21:11:50 -0500
From: Dave and Connie <dmatt@frontiernet.net>
To: qrp-1@Lehigh.EDU
Subject: [15121] Cheap 10 meter antennas
Message-ID: <3.0.5.32.19980714211150.007b2a90@frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I went into radio shack to look for the closeout
11 meter rigs. None of those but they did have
a mag mount antenna on sale for about \$10. It
rang up at \$1.97. They checked the price and it
was right so I picked up another one as a spare :-).

Cat. No. 21-993
Magnet Mount Cellular Look-Alike Mobile CB Antenna.

Includes measurements for 10 meters.

Dave
KB2YWT

Date: Tue, 14 Jul 1998 21:46:27 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: kj5tf@madisoncounty.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [15122] Re: QRP/MM & AR QRP net
Message-ID: <35AC1803.4F52D19D@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Look into the length of that wire dangling into the water. Effectively your Hamstick is one-half of a dipole and that wire is the other half. With the other bands working OK, the finger of suspicion would seem to point at your "ground" connection.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Jim wrote:

>
> Monday evening QRN was low and I was able to check-in to the 80M AR QRP
> net from my boat.
>
> I was anchored in 40' of water, running 5w into a Hamstick. My only
> radial was a short wire long enuf to reach the water.
>
> An interesting thing is that I'm able to get fine SWR's on 30, 40, and
> 80M but cant get below 2.5 on 20m! I tested the Hamstick on my truck and
> its fine there.
>
> My theory is that the lake is too much ground plane for high bands. Is
> that crazy? 72/3'z de Jim AR QRP #2

--

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 14 Jul 1998 21:49:28 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU, bcrow@carte.net, kj5tf@mctc.com, k1lgq@dennis.mv.com
Subject: [15123] ABOUT THAT "FUNNY FED" HALF SQUARE
Message-ID: <199807150249.VAA05153@ns1.morelr.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

HIGH GANG

Humble pie time... :-)

Got an e mail about my phasing on the 40 half square and I reviewed the message and reasoned I had done correctly and slept on the matter... Well... I have come to agree with this accurate observation of a friendly ham (thanks guy)...

Geeezzzzz I got my phasing wrong at the feed point with the vertical elements out of phase and the flat top in phase for a half wave... I have no idea what I have on forty meters... it picks up many stations... tonite with an s5 noise level it picked up cuba, france (both s7) a 4k9????, wb8apr, over s9...

ke3, aa1te talking to gm0lew not bad...

On twenty I Have two half waves in phase on top and the two vertical portions (a half wave on twenty) are out of phase and one wave length apart... Don't know what that does but I heard croatia 9a (s8) talking to a tg4 (s8 also) so this thing is doing gangbusters ne/sw more or less. loads great on twenty also...

On eighty meters contacts are a breeze... haven't tried thirty yet...

BACK TO THE PROBLEM....

I'M BEGGING, PLEADING, MISPELLING...:-) WOULD SOMEONE PLEASE RUN THIS ANT ON UR SUPER ANT PROGRAM AND SEE WHAT i ENDED UP WITH ON FORTY...

CENTER FED 300ohm twinlead... flat for 34ft ten inches on each side of the center... this part is flat and up 40ft... the vertical elements are each 34ft 10 inches long... The vertical element to the se is about ten feet off the gnd and the vertical element to the nw is about 15ft off the gnd....

The ant wire is running nw/se (it's broadsid to the ne/sw)... The ground below it is poor soil, and slanting about thirty degrees... so the NW vertical leg is about five feet higher off the gnd than the other...(SE) LEG...

SO HILL ON THE SW SIDE SLOPING TO N/W ... HOUSE TO THE EAST SIDE AND OPEN ON THE OTHER S/W SIDE...

iT'S working super on 80/20 and not bad on forty so I'm reluctant to mess with it until I understand what's happening on forty, my target band... mercy, mercy, plead, beg, humble pie...

While Humbling, this sure is exciting... I really like the lack of droop using the twin lead... and just one wire up in the air sure looks nice... I feel so dumb about the phasing thing, however this is not the first time for some humble pie, besides, maybe I'll remember correctly the next time...

Thanks to the Ham who dropped me the email pointing this out to me...

u done good son... my cajun mama loves to serve her son (me) HUMBLE PIE every chance she gets... puts in some crawfish tails, bit of oakra, a

few shrimp, and a touch of catfish... No wonder I eat so much of that HUMBLE
PIE... thought it was my thinking ... :-)

God Bless

Joel wa5cvm, in maine, wondering a lot lately, wonder if that doc left
sumthing in my artery? missed a stitch or sumthing... :-) Why I got half a
mind... :-)

PS

THE DOC DID REAL GOOD THIS TIME, HE DONE IT RIGHT AND IT'S HEALING
JUST FINE... (JUST NEEDED THE DOC stuff FOR THE ENDING PART OF THIS, joel)

God Bless

Joel

WA5CVM

Joel Denison Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542 DIPOLE on 40mtr
Strong, Maine 04983 QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com Use strong nets guys, the crawfish are big over here

Date: Tue, 14 Jul 1998 21:49:44 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: rkeener@realtime.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15124] Re: rec.radio.amateur.????
Message-ID: <35AC18C8.7E1D2229@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dig into the docs for your browser/mailer/newsreader program. You should
find a way to download a list of all newsgroups from your news server.
>From that list you can select the ones you wish to subscribe to.

In Netscape, you go to the Message Center/File/Subscribe to Discussion
Groups.

Good Luck, Ron. BTW, did you used to work for TI in Dallas?

72/73, George

Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Ron Keener wrote:

>
> how do i find out what other sub sites are available on this news group
>
> i know about .antenna and .equipment
>
> but is there a way to get a LIST of others????
>
> tnx
>
> ron wa0ree

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 14 Jul 1998 22:34:32 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: qrp-l@Lehigh.EDU, antennas@qth.com
Subject: [15125] New AEA Complex Impedance Analyzer - HF
Message-ID: <35AC2348.2F9551C5@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to those who have responded with their take on the AEA analyzers. I recently have learned that the original AEA Antenna Analyzer is now being marketed as the SWR-121 meter, and that an upgraded version, the CIA-HF, is now being offered at a slightly higher price.

Apparently a lot of vector Z measuring and processing capability has been added to the older AEA system. Really looks interesting for bench/lab work as well as antenna systems.

If anyone has used this latest version, I would very much appreciate having your comments.

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 14 Jul 1998 23:57:30 -0400
From: wd4et@juno.com
To: w5yr@swbell.net
Cc: qrp-1@Lehigh.EDU
Subject: [15126] Re: New AEA Complex Impedance Analyzer - HF
Message-ID: <19980714.235741.3646.2.wd4et@juno.com>

Is this analyzer manufactured by Timewave? (The company that purchased AEA when they went belly up a couple of years ago.)

If so, I heard on "Amateur Radio Newsline" this week that Timewave has filed for bankruptcy. The president stated that they intend to continue operation under a reorganization plan.

Buyer beware.

73 es good luck, Jeff WD4ET

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 15 Jul 1998 00:03:00 EDT
From: KC7MES@aol.com
To: qrp-1@Lehigh.edu
Subject: [15127] 38s schematic
Message-ID: <6c109268.35ac29f5@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Can anybody tell me where I can get a copy of the 38 special schematic, preferably off the net? I finally got to building mine last week and seem to have a error somewhere along the line. Thanks,

Rob, KC7MES

Date: Tue, 14 Jul 1998 22:00:23 -0600
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [15128] TiCK Audio in SST?
Message-ID: <019601bdafa5\$4855f760\$7fa8a3cc@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Where did those of you who put a TiCK keyer in your SST hook up to the audio chain. I'm afraid of unbalancing my LM386 by dumping it in on pin 2 or 3?
Where is best? 72...Steve

n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument, Colorado - Grid Sq DM79nb
homepage: <http://www.webaccess.net/~S&P/HRindex.htm>
email: n0tu@webaccess.net

Date: Tue, 14 Jul 1998 21:08:00 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [15129] kit-boo?!?!?
Message-ID: <35AC2B20.7A8233FF@wenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I can't find this on the web site, but i did d/l the catalog...any idea what page it's on?

Date: Tue, 14 Jul 1998 23:27:08 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: wd4et@juno.com
Cc: qrp-1@Lehigh.edu
Subject: [15130] Re: New AEA Complex Impedance Analyzer - HF
Message-ID: <35AC2F9C.E9D06441@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Thanks for the heads-up, Jeff.

The company involved here is the AEA Division of Tempo Research Corp. in Vista, CA. They bought out the analyzer instrument and antenna lines.

I believe that Timewave bought out other parts of the old AEA line, such as the packets tnc's, etc.

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

wd4et@juno.com wrote:

>
> Is this analyzer manufactured by Timewave? (The company that purchased
> AEA when they went belly up a couple of years ago.)
>
> If so, I heard on "Amateur Radio Newsline" this week that Timewave has
> filed for bankruptcy. The president stated that they intend to continue
> operation under a reorganization plan.
>
> Buyer beware.
>
> 73 es good luck, Jeff WD4ET
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> Or call Juno at (800) 654-JUNO [654-5866]

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Tue, 14 Jul 1998 22:08:32 -0700

From: Conrad <radman@best.com>

To: "'mitymik@hooked.net'" <mitymik@hooked.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15131] RE: kit-boo?!?!?! (more about Boo...)
Message-ID: <01BDAF73.F14E9200.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

The Kit-Boo info that I posted was FAXed to me from B.G. Micro. I'm not sure the B00-info is on their D/L web-catalog. You can call their sales/support folks and they can FAX you a blurry photocopy OR maybe it's in their paper catalog if they have one. :)

BG Micro (calling in Texas) 1-972-271-5546
OUTSIDE Texas: 1-800-276-2206

(I'm not related to BGM... I'm just interested in the kit... :))

72 - Conrad Weiss - NN6CW

-----Original Message-----

From: Mighty Mik [SMTP:mitymik@hooked.net]
Sent: Tuesday, July 14, 1998 9:08 PM
To: Low Power Amateur Radio Discussion
Subject: kit-boo?!?!?!

I can't find this on the web site, but i did d/l the catalog...any idea
what page it's on?

Date: Wed, 15 Jul 1998 02:05:48 EDT
From: ka7you@juno.com
To: jokortge@mci2000.com, QRP-L@Lehigh.edu
Subject: [15132] Re: Elmer300: First Experiment
Message-ID: <19980714.221922.15751.1.KA7YOU@juno.com>

Jim,

The same tool is still available from Northern Hydraulics at 1-800-556-7885.

It is item # 14572-c121 in my catalog, and is shown with the welding equipment, as a metal hole punch kit, for \$17.99.

The original industrial name for this type tool was a Whitney punch. I've owned one for over thirty years, and some of the dies are still original.

Good luck.

Rod Johnson KA7Y0U from CN97ak near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

On Mon, 13 Jul 1998 23:06:29 -0400 "Jim Kortge, K8IQY"

<jokortge@mci2000.com> writes:

>At 08:21 PM 7/13/98 +0000, Ed Loranger wrote:

>>

>>I use a circular hole puncher from Harbor Freight tools.

>>Spec'd for 3/16 aluminum or any leather goods. 6 or 7

>>different hole sizes. Works well. Inexpensive.

>>-Ed

>

>Ed,,,I just got off the phone with Harbor Freight, and that

>punch is no longer available from them. :-(

>

>I'll call tomorrow and find out if there is something else

>they recommend as a replacement.

>

>I use an ADEL Nibbling tool, and I haven't found a source for

>that yet either. Mine is about 40 years old and still going

>strong. The little chits that it produces are 3/32 X 1/4 inch,

>perfect little islands for connection points. And I'll stick

>with the super glue. It's fast and strong!

>

>72.....Jim

>

>

>Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L

>jokortge@mci2000.com | __o H.F. bicycle mobile

>Fenton, MI | _`\<, Mizuho 17/40 SSB

>... .. (*)/(*)

>NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts

>Most recent - Iowa Mauritius

>

>NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts

>Most recent - Alaska Ecuador

>

>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 15 Jul 1998 09:01:56 +0200 (EET)
From: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
To: qrp-1@Lehigh.EDU
Subject: [15133] joining open wire feed line?
Message-ID: <01IZFA7RX1788Y4XYZ@vyh21.vyh.fi>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

I had to move my shack and now the experimental joint, using banana plugs, in the open wire feed line of my universal HF antenna will end up to be outside the building.

I need to make the joint more durable than banana plugs or simple soldering will provide. The line hangs down from the doublet and is fed through the window, no attachment point in between, so it sways in the wind.

I'm thinking of joining the wires by wrapping the parallelled ends tightly over a few centimeters with bus wire and then soldering the joints.

Solutions are very welcome. Especially time-proven ones.

Thanks for reading this and for your effort in replying.

Arjen Raateland
--... ..-... ..-... ..-... ..-... ..-... ..-... ..-...
Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 9 4030 0457
fax +358 9 4030 0490
.-.-. -.-

Date: Wed, 15 Jul 1998 02:15:25 -0400

From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [15134] FS: UNI-SOLAR SOLAR PANEL
Message-ID: <087ba4319060f78UPIMSSMTPUSR06@email.msn.com>

Hi,,,,cleaning time again... Uni-solar solar panel...like the one in
Antennas West catalog, (no relation to me). Its the the so called
"bulletproof" one. max pwr=22w,
voltage in full sunlight.... 15.6V @1.4amps. it stands 47.25 long and
13.5 wide. It is mounted in a hardy aluminum frame, and I would guess splash
resistant...maybe even waterproof. It pretty much gives you full current in
the shade. I really hate to let it go.Paid \$225 but will send it to you for
\$180. I live in an apartment and really cannot use it,,,,so give me a
call, day or night or even the cheap way via email...
Greg Heath kb2qqm 518-383-8655 Albany, Ny... zip is 12065.

Date: Wed, 15 Jul 1998 04:26:05 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <qrp-l@Lehigh.EDU>
Subject: [15135] Rainbow Enclosure Update
Message-ID: <199807150723.AAA20702@fletch.fix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Well Ma, it was a tough fight, but I won...Rainbow Enclosures are running
on main setup...covers are ready for plating...fit together VERY nice...All
parts will go to platers Friday for MIL-Spec hard anodize, will return
Tuesday, shipping will commence end of next week!!! I have had numerous
inquires, so here is the basic information on the Rainbow Enclosures:

Enclosure is designed around NJ QRP Club Rainbow Tuner board
Enclosure is CNC hogout from aircraft grade 6061-T651 aluminum solid billet
Finish on Enclosure and cover is MIL-Spec hard anodize, color black (a
little harder than carbon steel...)
Board mounted screwdriver-adjusted trim cap is replaced by panel-mount
variable cap INCLUDED! in kit
Torroid tap selector jumper replaced by panel-mount switches (not included,
available everywhere at you-know-where)
Enclosure designed to accomodate stock N-battery holder and stock LED
mounting
All hardware included - board mounting screws, cover screws, variable cap

mounting screws, metric screw for variable cap shaft, and an Allen wrench for the buttonhead cover screws!!
All labeling CNC engraved with carbide ball end mill
Price is \$29 + \$5 in US from:

San Luis Machine Company
200 Suburban Road
San Luis Obispo, CA 93401

72 Doug Hauff KE6RIE

PS Your Altoids case may be cute, but this one is FUNCTIONAL! and BULLET PROOF (well, almost)

Date: Wed, 15 Jul 1998 00:25:48 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15136] Preview: PC-9000 -- Patcomm's multi-bander
Message-ID: <01BD8F87.1EAF69A0.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Preview: "Patcomm's PC-9000"

By Conrad Weiss - NN6CW

I had an interesting telephone interview recently with Patcomm's President, Frank Delfine/WB2UJS - Design Engineer for their new PC-9000. Headquartered in St. James, NY - Patcomm is completing final testing of their new 9-band transceiver and is forecasting shipments for the end of July, 1998.

The \$799 (US) all-SMT, factory-built, ham-band only transceiver is of American design and manufacture and covers 160-6 meters. Its standard operating modes are CW and SSB with FM as an add-on option for 10m and 6m repeater operation. It has Hi-Low RF power settings and comes QRP-ready with a 5 watt low power setting, QSK/full break-in enabled and an internal keyer. With a 40 watt high power setting it's also a "hybrid rig" - combining traditional CW QRP/QRO operation, SSB and VHF/FM

capability. But, it can do even more - it can keyboard!

What truly distinguishes this mini-transceiver from other rigs in its size/price-class is CW-keyboard operation - right out of the box. Simply plug a standard PC-AT compatible keyboard into the port on the side of the rig, press the keyboard pushbutton on the front panel and start keyboarding. It's really that simple to send a CQ! The LCD display automatically changes mode to show your transmit/typing buffer. Sending speed is adjustable from the front panel from 5-75 wpm. You can roam between the novice sub-bands and the CW speedsters on 20 meters with equal ease. Naturally, your character spacing will always be computer-perfect.

If CW-Decode or full RTTY operation sounds appealing, simply add the RTTY/CW-Decode option board and you'll have the world's smallest RTTY station. The 2 line X 16 character LCD display will show your receive buffer on the top display line and your typing/transmit buffer on the bottom display line. Digital fine tuning is accomplished via the Squelch knob which functions as a digital threshold adjustment in RTTY mode. Simply press the "Decode" button and adjust the two front-panel LEDs to set your RTTY receive-threshold and you'll soon be hunting up and down the bands for new RTTY QSOs.

Frank Delfine - a QRP and RTTY enthusiast - explains that successful RTTY operation isn't a matter of running high power. Much like QRP-CW, it's all about signal to noise ratio. You need a favorably high-level RTTY signal, relative to band noise, and you're in good shape. The louder the other guy is, the higher the percentage of 100 percent decode. Thus, 5 watts on RTTY will often do the same job as a full QRO if band-conditions are favorable.

The front panel of the PC-9000 is a work of pure user-simplicity. Since the rig is targeted at operators who'll often use a keyboard, there are no direct entry buttons on the front panel. Just the basics for mobile or portable SSB, CW or FM operation: Main tuning, Lock, Tune-rate (3-speeds), RF power (Hi - Lo), Band Switch, Mode, AF gain/Power off, Split, RIT, Noise Blanker, SCF width, MOX (tune), AGC (Hi-Lo), CW-Decode, 1/4" headphone jack, Squelch, Keyboard/MIC, MIC connector, S-Meter/Relative Power and the backlit LCD main display.

The back panel - a massive piece of 1/4" aluminum plate -

does double-duty as a passive heat-sink for the PA. It has an SO-239 antenna connector, ground lug, 13.8 VDC connector, paddle jack, and an ALC jack. The main case-works is heavy black anodized aluminum -- "strong enough to stand on" - Frank says. There's a bottom-firing internal speaker in the floor of the case. If additional audio is required, the operator can plug an external speaker directly into the headphone jack. A folding wire bail props up the front edge of the rig allowing for ease of use and bigger audio from the internal speaker.

This amount of technology in a small package comes at the usual cost of hefty receive current requirements. While the final PC-9000 specifications aren't frozen, receive current with the RTTY/CW-decode option will be close to 1.5 amps at 13.8VDC - about the same as the high-current requirements of the popular Japanese HF/6 meter rigs in this size-class.

Inside the case there are over 1,500 discrete SMT components, dozens of IC's, two DDS chips - no PLL - and an 8031 series microprocessor - all mounted on seven boards. The mother board covers the floor of the case and six daughter boards plug into appropriate 3-inch headers. Up front, there's the display board, followed by the microprocessor board, transmitter board, receiver board, low-pass board and finally the PA board at the rear of the case.

Standard features at a glance:

- * SSB and CW on 160 thru 6 Meter Ham bands
- * Three Selectable tuning rates - 1.2Hz, 1.2kHz, and 120kHz
- * Highly effective noise blanker
- * Frequency lock button
- * Low noise, high selectivity receiver design with IF 2.4kHz crystal filter and variable (400Hz - 2.5 kHz) SCF filter in the audio stage.
- * RIT/SPLIT capability
- * Amplifier control jack
- * 5 Watt and 40 Watt RF outputs (20 Watts on Six Meters)
- * Built in keyer and keyboard interface for CW
- * Fast/Slow AGC settings
- * Compact size - 8W, 2.75H, 7.5D, Weight - 4.0 pounds

Optional features:

- * Plug-in FM Module
- * Plug-in RTTY/Memory upgrade software/hardware package to

add Morse and RTTY Decode (and RTTY send) functions as well as Direct Frequency Entry (from external keyboard) and memory storage.

Available in late July, 1998. The projected price is \$799 (US) plus options. The FM Module is \$79 (US) and the RTTY/Decode/Memory option is \$149 (US).

The PC-9000 ships with a DC Power cord, PTT Hand Mic and extensive user documentation.

Bottom line: Patcomm's PC-9000 is a feature-rich, dazzling display of how SMT can expand our hobby of sport radio. For the adventurous QRP'er who enjoys operating on multiple bands and modes -- with keyboard and RTTY capability - for less than \$1,000 (US) - this rig warrants serious consideration. I hope to field test one in the near future!

Special thanks to Frank Delfine of Patcomm for an interview in the midst of final engineering tests on the PC-9000. He welcomes your comments, questions and input. You can contact him via email at: patcomm1@aol.com

For additional information visit URL:
<http://www.radiowise.com/prod/pat/PC9000/pat.htm>

Standard disclaimer: no relation to Patcomm.

72 - Conrad Weiss - NN6CW

Date: Wed, 15 Jul 1998 04:17:38 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [15137] CAN THE SLV BE IMPROVED? (long)
Message-ID: <7b45855.35ac65a3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I have spent some time trying to understand the SLV and see if I could come up with a way to improve it's performance. Unfortunately I am still at ANTENNA 101 LEVEL but here is what I cam up with:

BASICS: Short vertical antennas (less than 1/4 wave) have high capacitive reactance. This is generally offset with inductance from an inductor placed in the circuit such as a LOADING COIL. The problem with a base loading coil is most of the current is concentrated at the base of the antenna thereby increasing losses to ground. Moving the coil up for a CENTER LOADED vertical redistribute some of the current up towards the middle of the antenna. As you move the coil up, you then will experience a need to increase the size of the coil inductance to offset the capacitive reactance, whereby increasing coil losses and maybe canceling the coil shift advantage unless you made the coil big. But then the pole may not be able to support it and you may lose portability and compactness.

Q ISSUE: Q is defined as R/X . You want HIGH Q to minimize your loading coil loss but too high will decrease your bandwidth. The better coils designs are ones where the coil L/D is about 2 and air core and you use large conductor to make the coil (like small tubing). For 40M 3-4 inches seems about right and using about 3-4mm diameter tubing/wire.

HELIX: It appears a HELIX might be the answer but is it? With a HELIX the text books state you should be on a long cylindrical form and a diameter of the form should be small compared to the wavelength. For 40M the diameter of 4 inches or less is OK. With the SLV the diameter is one inch or less. If you wind all the way up the rod as in a true HELIX you have a super high Q and would probably need a capacitance hat to offset the value. Winding the wire just at the base as in the original SLV, the wire above it acts as a capacitance hat of sorts and that helps shift the current distribution up the antenna.

GROUND LOSSES: with the radials on the ground, the capacitive coupling contributes to the loss of signal to ground. Raising the radials reduces losses and allows you to reduce the radials to 3-4 only over average ground. Elevation of only 0.05 wavelength is needed to accomplish this.

ADJUSTIBLE COIL: It will allow you to tune the mast for resonance which will give you max radiation but if you elevate the mast you won't be able to take full advantage of the adjustable feature. Tuning and then elevating will detune it some so you lose some of the advantages of this feature. Put it at the base of the SLV so you can reach it and you lose the current shift up the mast by installing it part way up the mast.

WHAT THIS ADDS UP TO: In my book, without any calculations to back this up, it appears the only real improvements (other than some mechanical changes for durability) are obtained by elevating the SLV and radials about 6-7 ft. A large coil mid way up would offer some added benefits but would make it unwieldy and impractical for field portability and offer marginal improvements. Tuning the base tv wire coil for a better match for operating strictly on 40M and above but if you want 80M too I would stay pretty close to the original

COMMENTS? THOUGHTS? Did I miss something?.....Alan KB7MBI

Date: Wed, 15 Jul 1998 03:32:42 -0500
From: "edwin a. crowell" <w5twr@rconnect.com>
To: wd4et@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [15138] Re: New AEA Complex Impedance Analyzer - HF
Message-ID: <3.0.32.19980715032438.012befc0@rconnect.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi guys, NO, the aea analyzer is being marketed by TEMPO not time wave.
mike lamb sold all the antenna stuff to tempo, and the tnc stuff to
timewave. 72, ed

At 11:57 PM 7/14/98 -0400, you wrote:

>Is this analyzer manufactured by Timewave? (The company that purchased
>AEA when they went belly up a couple of years ago.)

>

>If so, I heard on "Amateur Radio Newsline" this week that Timewave has
>filed for bankruptcy. The president stated that they intend to continue
>operation under a reorganization plan.

>

>Buyer beware.

>

>73 es good luck, Jeff WD4ET

>

>

>-----
>You don't need to buy Internet access to use free Internet e-mail.

>Get completely free e-mail from Juno at <http://www.juno.com>

>Or call Juno at (800) 654-JUNO [654-5866]

>

>

Date: Wed, 15 Jul 1998 07:25:56 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@Lehigh.EDU
Subject: [15139] Elmer 300: Hole Punch
Message-ID: <2.2.16.19980715071644.246fb6b6@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As I said earlier, I had an "industrial strength" hole punch on order from a hobby tool company up in New Jersey. The box calls it a "Power Punch Kit". The rest of the box copy reads:

punches and dies,
to C50-52,
7/32, 1/4, and 9/32,
steel.

- complete with 7 sets of
- punches and dies hardened
- size: 3/32, 1/8, 3/16,
- will punch up to 16 guage

It's big and hefty, and comes with its own plastic carrying case. It seems completely up to the task of punching holes in PC board stock, even the tough glass-epoxy type. I punched a hole in a piece of phenolic circuit board stock I had laying around and it yielded a perfectly round 9/32 inch diameter piece of PC board with a very light dimple in the center. I'd say it'll work well for the Elmer project and any other hole punching you need done!

The details.

I ordered it from:

o-Mark
Snyder Avenue
ley Heights, NJ 07922-1595

Micr
340
Berk

Their stock number is #81530 and the price is normally \$39.95. I bought it on sale (the sale is still running) for \$24.95 and I think I got a good deal. They have a toll free order line at 1-800-225-1066. Their web site is <www.micromark.com>. Their catalog is filled with tools for model makers and many of them do have application to electronics.

73

Date: Wed, 15 Jul 1998 08:41:46 -0400
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [15140] Re: Elmer300: First Experiment

Message-ID: <35ACA38A.E09069D2@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The real Whitney punch is better than the copies.
If you only punch circuit board you won't care and the cheap copy is fine. If you ever plan to punch thinner or thicker metal, get the real Whitney.

michael N6CHV

ka7you@juno.com wrote:

>
> Jim,
> The same tool is still available from Northern Hydraulics at
> 1-800-556-7885.
> It is item # 14572-c121 in my catalog, and is shown with the welding
> equipment, as a metal hole punch kit, for \$17.99.
> The original industrial name for this type tool was a Whitney punch.
> I've owned one for over thirty years, and some of the dies are still
> original.

Date: Wed, 15 Jul 1998 08:41:42 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [15141] S51AP correct call?
Message-ID: <35ACA386.FB724059@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The bands were good here last night. On 15 cw I worked my first Russian and on 20 cw I worked this S51AP, Ivan. QTH Lese. He had a good 569 signal but the call I copied does not seem right. S five one AP? Can this be correct? Never heard a call with two numbers in it. I copied it the same each time he sent it. Anybody know what's going on? Did I copy the call wrong five or six times?
Thanks

Ed Kwik KC8JIE qrp-1# 1444 Waterford, MI

Date: Wed, 15 Jul 1998 21:12:35 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'jdenison@morelr.com'"
<jdenison@morelr.com>
Subject: [15142] RE: ABOUT THAT "FUNNY FED" HALF SQUARE
Message-ID: <01BDB035.A903DD80@bgr96.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

hi joel
glad u had a good organ recital, but we still don't know abt ur gall =
bladder. why not just put a zipper on u ?? today the gall baldder, =
tomorrow the world. cy - kites

From: JOEL DENISON
Sent: Tuesday, July 14, 1998 5:49 PM
To: Low Power Amateur Radio Discussion
Subject: ABOUT THAT "FUNNY FED" HALF SQUARE

HIGH GANG

Humble pie time... :-)

Got an e mail about my phasing on the 40 half square and I reviewed the
message and reasoned I had done correctly and slept on the matter... =
Well...

I have come to agree with this accurate observation of a friendly ham
(thanks guy)...

Geeezzzzz I got my phasing wrong at the feed point with the =
vertical
elements out of phase and the flat top in phase for a half wave... I =
have no
idea what I have on forty meters... it picks up many stations... tonite =
with
an s5 noise level it picked up cuba, france (both s7) a 4k9????, wb8apr,
over s9...
ke3, aalte talking to gm0lew not bad...

On twenty I Have two half waves in phase on top and the two =
vertical
portions (a half wave on twenty) are out of phase and one wave length =
apart...
Don't know what that does but I heard croatia 9a (s8) talking to a tg4 =
(s8
also) so this thing is doing gangbusters ne/sw more or less. loads great =
on
twenty also...

On eighty meters contacts are a breeze... haven't tried thirty = yet...

BACK TO THE PROBLEM....

I'M BEGGING, PLEADING, MISPELLING...:-) WOULD SOMEONE PLEASE RUN THIS ANT ON UR SUPER ANT PROGRAM AND SEE WHAT I ENDED UP WITH ON = FORTY...

CENTER FED 300ohm twinlead... flat for 34ft ten inches on each = side of the center... this part is flat and up 40ft... the vertical elements = are each 34ft 10 inches long... The vertical element to the se is about ten = feet off the gnd and the vertical element to the nw is about 15ft off the = gnd....

The ant wire is running nw/se (it's broadsid to the ne/sw)... = The ground below it is poor soil, and slanting about thirty degrees... so = the NW vertical leg is about five feet higher off the gnd than the other...(SE) = LEG...

SO HILL ON THE SW SIDE SLOPING TO N/W ... HOUSE TO THE EAST SIDE = AND OPEN ON THE OTHER S/W SIDE...

IT'S working super on 80/20 and not bad on forty so I'm = reluctant to mess with it until I understand what's happening on forty, my target = band...

mercy, mercy, plead, beg, humble pie...

While Humbling, this sure is exciting... I really like the lack = of droop using the twin lead... and just one wire up in the air sure looks nice... I feel so dumb about the phasing thing, however this is not the first time for some humble pie, besides, maybe I'll remember correctly = the next time...=20

Thanks to the Ham who dropped me the email pointing this out to = me...

u done good son... my cajun mama loves to serve her son (me) = HUMBLE PIE every chance she gets... puts in some crawfish tails, bit of oakra, = a few shrimp, and a touch of catfish... No wonder I eat so much of that = HUMBLE PIE... thought it was my thinking ... :-)

God Bless

Joel wa5cvm, in maine, wondering a lot lately, wonder if that doc left
sumthing in my artery? missed a stitch or sumthing... :-) Why I got half =
a
mind... :-)

PS

THE DOC DID REAL GOOD THIS TIME, HE DONE IT RIGHT AND IT'S =
HEALING
JUST FINE... (JUST NEEDED THE DOC stuff FOR THE ENDING PART OF THIS, =
joel)

God Bless

Joel

WA5CVM

=20

Joel Denison Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542 DIPOLE on 40mtr=20
Strong, Maine 04983 QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com Use strong nets guys, the crawfish are big over =
here =20

Date: Wed, 15 Jul 1998 08:23:24 -0500
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [15143] looking for built 20 meter or multiband
Message-ID: <00ab01bdaff3\$be6bee20\$4d0b9595@Jeffro.cc.tntech.edu>
MIME-version: 1.0
Content-type: multipart/alternative;
boundary="-----=_NextPart_000_00A8_01BDAFC9.D5851D40"

This is a multi-part message in MIME format.

-----=_NextPart_000_00A8_01BDAFC9.D5851D40
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello,

I am trying to help Michael, DL2GQ, who recently moved to US locate a =
rig to use in his apartment. He was originally lookihng for good (OHR, =

EMTECH, etc) built CW rig, but is open to small multiband rigs (Argosy = or such).=20

Anyone have something good for sale?

72

Jeff, AC4HF

-----=_NextPart_000_00A8_01BDAFC9.D5851D40

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

<HTML>

<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.72.3110.7"' name=3DGENERATOR>

</HEAD>

<BODY bgcolor=3D#ffffff>

<DIV>Hello,</DIV>

<DIV> </DIV>

<DIV>I am trying to help Michael, DL2GQ, = who recently=20

moved to US locate a rig to use in his apartment. He was originally = lookihng for=20

good (OHR, EMTECH, etc) built CW rig, but is open to small multiband = rigs=20

(Argosy or such). </DIV>

<DIV> </DIV>

<DIV>Anyone have something good for=20 sale?</DIV>

<DIV> </DIV>

<DIV>72</DIV>

<DIV>Jeff, =

AC4HF</DIV></BODY></HTML>

-----=_NextPart_000_00A8_01BDAFC9.D5851D40--

Date: Wed, 15 Jul 1998 08:25:29 +0000

From: "Bryan Turner" <turnerw@email.uah.edu>

To: qrp-l@Lehigh.EDU

Subject: [15144] Finding Unusual Dremel Parts
Message-ID: <9807151326.AA04106@uahis1.uah.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

If you are looking for unusual Dremel attachments, try magazines such as Model Railroader or Railroad Model Craftsman. These tools are standard for "kitbashers" who use kits as sources of parts for different models, such as locomotives with a hood from one kit and a cab from another kit. RMC even gives one of the nicer Dremel tools as a prize to builders who are published in their magazine.

Try your local hobby shop, if the out of town shops with the 800 numbers haven't already killed yours . Check the yellow pages, or the dealer directories in the back of MR and RMC.

73 Bryan W8LN

Date: Wed, 15 Jul 1998 09:31:37 -0400
From: "Peter Orban" <peter@peter237.imti.nrc.ca>
To: qrp-1@Lehigh.edu, Peter_Simpson@ne.3com.com, rae4@ix7.ix.netcom.com
Cc: kline@hybrid.com
Subject: [15145] Board mystery solved
Message-ID: <9807150931.ZM25191@peter237.imti.nrc.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I would like to thank everyone who helped to figure out the board I acquired.

Brian Kline WA6QDP from the rec.radio.homebrew news group provided the following answer:

> The board you have is from a Sytek/Network Resources LocalNet 20 Packet
> Terminal Unit.
> These were manufactured from 1981 to 1985 approximately.
> It is a FSK packet modem designed to operate at 128 Kb/s.
> RX frequency 226.25 - to 229.25 MHz
> TX frequency 70 - 76 MHz
> Shift 64 KHz
> TX 40 dB BW approximately 400 KHz
> RX BW approximately 280 KHz
>
> There is a constant 156.25 MHz offset between the transmit and receive

> frequency.
>
> Those funny looking double balanced mixers are some inexpensive Japanese
> double balanced mixer.
> They are not as good as a Minicircuits SBL-1.
>
> You will probably just find the boards good for parts but I have done a
> few things with them and threatened to do others.
>
>
>
> The 5.12 MHz VCXO gets multiplied up to 204.8 MHz. I took the multiplier
> chain and converted the last doubler to a power amplifier to create a
> 100 mw 102.4 MHz FM transmitter that was crystal controlled.
> Those crystals were cut for high pullability so it FM's pretty well.
>
>
> I took the 48.55 MHz- 10.7 MHz IF portion and converted the first
> portion for 30 MHz input and used it as an IF for a 10 GHz Gunplexer
> radio. This required a new crystal.
>
> The frequency synthesizer tunes 274.8 to 280.8 MHz and can be programmed
> with jumpers by removing the MC4040 that is in the socket and putting
> the properly jumpered. DIP header in the socket.
>
> One thing that I started working on was building a high speed packet
> link on 1270 MHz out of a pair of the modems but I never finished the
> project. The principal draw backs of that modem for that application are
> the larger excess transmit bandwidth (400 KHz instead of 300 KHz), and
> the poor clock recovery circuit which is what most of the 74LS logic on
> the board is.
> The next generation of the Sytek modem fixed the excess bandwidth issue
> but not the clock recovery
> circuit.
>
>
>-- End of excerpt from Brian Kline

Thanks again for your help, Peter, VE3PEY

--

--

Peter E. Orban
National Research Council of Canada
e-mail: peter.orban@nrc.ca

Date: Wed, 15 Jul 1998 09:40:48 EDT
From: MNHopkins@aol.com
To: QRP-L@Lehigh.edu
Subject: [15146] The Tanner White/Boo
Message-ID: <ca69291d.35acb161@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I am privileged to have Tanner-White RX number 2, bought at a Dallas/Arlington Hamcom some years ago. It is a delightfully large board, about 4X5, single conversion superhet with on board LO and options for cap or varactor tuning. The instruction book is large and detailed and contains many possible modifications. There is plenty of room on the board for said mods, too. Mine is on 20M with a 9mc IF and I use it with converters for VHF. It's great strength for me is the ease with which one can accomplish any desired amount of coverage.

As to "boo," I had not heard the reference associated with this RX. It is an East Texas euphemism for marijuana, and while the designer may look like a Hippy and drive a Cadillac Eldo with many electronic upgrades, he shows no sign of Reefer Madness. As for Tanner himself, he is straight as an arrow. A born again who's only hint of heterodoxy is a moustache. He runs an excellent electronics surplus place in fine Puritan order in Lewisville, Texas.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Wed, 15 Jul 1998 10:07:25 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [15147] RE: rec.radio.amateur.????
Message-ID: <000701bdaff9\$e4760820\$4d211ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A good place to look for new newsgroups, and to search newsgroups much like you use a search engine for web sites, is
<http://www.dejanews.com>

You can read and post messages to the newsgroups directly from their website.

It's been easier for me than trying to wade through all those groups. Just search for the string you're interested in!
Tracy, N4LGH

Date: Wed, 15 Jul 1998 06:48:23 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Bryan Turner <turnerw@email.uah.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15148] Re: Finding Unusual Dremel Parts
Message-ID: <Pine.BSI.3.96.980715064631.4534B-1000000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 15 Jul 1998, Bryan Turner wrote:

>
> If you are looking for unusual Dremel attachments, try magazines such
> as Model Railroader or Railroad Model Craftsman. These tools are
> standard for "kitbashers" who use kits as sources of parts for
> different models, such as locomotives with a hood from one kit and a
> cab from another kit. RMC even gives one of the nicer Dremel tools as
> a prize to builders who are published in their magazine.
>
> Try your local hobby shop, if the out of town shops with the 800
> numbers haven't already killed yours . Check the yellow pages, or
> the dealer directories in the back of MR and RMC.
>

Even better is to go into a shop that sells tools and materials for jewelers. I buy my crown engravers at Lonnie's (in Phoenix) in packs of 6 for less than I'd pay for a single Dremel cutter at Home Depot, and they last just as long.

,-----.
/ What's all this \
/ extinct stuff, anyhow? /
\ -----'

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY

2) MFJ Grandmaster Memory Keyer. This one's got a few miles on it but works perfectly. I added a switch on the back to swap dit and dah paddles, and a 1/8" stereo jack so I could run the sidetone out to some amplified speakers for when I taught CW class. I don't have a manual for it. Has three memories which can be used separately or strung together. Operates from a wall wart (included) or you can put a 9V battery inside. Has settings for speed, weight, sidetone pitch and volume, and other stuff I never used. \$35 postpaid.

3) Also FS but don't have the model numbers in front of me: Ten tec T-Kit multiband regenerative receiver (this is the kit that sells for around 60 bucks). I didn't build it but it works. \$45 postpaid. Also, Radio Shack 40-channel handheld CB, full power output (5 watts?). This is a recent model, I purchased a couple of years ago. This one has large green LED channel indicator. I have no idea whether it can be converted to 10 meters. Perfect condition. \$25 postpaid.

72 de Dave AB0GO

Date: Wed, 15 Jul 1998 06:55:44 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.edu
Subject: [15150] Thanks to all for QRPicnic
Message-ID: <35ACB4E0.DA46E7CD@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

I would like to thank Vic (K2VCO) for his efforts in organizing the first annual central California QRPicnic on Sunday, July12th. A sincere vote of thanks also goes to Jerry (WA6OWR) for his excellent photo coverage of the event. Check it out at <http://www.fix.net/~jparker/norcal/picnic/qrp picnic.htm>
As the saying goes, "It doesn't get any better than this."

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Wed, 15 Jul 1998 07:58:14 -0600
From: David Ek <ekdave@earthlink.net>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [15151] WTB small gelcel
Message-ID: <01BDAFC6.5266DBE0.ekdave@earthlink.net>

Gang,

I'm looking for a 12V gelcel in the 2Ah-ish neighborhood, something small for backpacking. Anybody have one they'd like to part with?

72 de Dave AB0G0

Date: Wed, 15 Jul 1998 10:01:50 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [15152] Re: S51AP correct call?
Message-ID: <5627fc3c.35acb64f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Ed, you worked S5 - Slovenia. there have been tons of double numbered calls from around the world, T30-T32, Y41, C21...etc...there have been (or is) various different kinds using more than one number, western samoa is 5W1, bermuda is 8P1, and even a little different...like swaziland 3DA2...as a prefix! these arent special calls, just your standard issue. good luck and have fun chasing those countries...73, Adam, AB7WY

Date: Wed, 15 Jul 1998 10:09:23 EDT
From: PDouglas12@aol.com
To: QRP-L@Lehigh.EDU
Subject: [15153] Finding attenuation of sampler in dummy load
Message-ID: <595f5ae8.35acb814@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

I have been scratching my head over something that should be elementary, but isn't to me. I wonder if one of our more technically skilled members would be kind enough to comment on the problem:

I recently purchased a dummy load/RF sampler from a surplus bin. The thing was labelled as a 50 ohm load capable of dissipating 50 watts continuously and

200 Watts short-term. It consists of a resistor connected to an N-connector. The resistor is housed in a small machined brass housing, and it is all sitting on a finned heat sink. That much is simple, and indeed my MFJ 259 shows a good 50 ohm load throughout its whole range from 1-100+ MHz.

Now, the little brass cavity that contains the load resistor has another connector sticking into it, a BNC, and it is not intended as a parallel input. Indeed, the commercial seller advises it is just a regular BNC with its center solder nipple cut off short, to further increase the db separation between it and the actual input. In short, it is a signal sampler. Now, as the seller pointed out, the amount of separation in db is frequency dependent because, presumably that little cut-off bit of metal on the inside end of the BNC makes a better "antenna" for UHF than it does for HF. Ok, so I would like to know how much separation (ie the attenuation) there is between the input and the BNC sampler at various frequencies, so I can make a power chart to go with this new piece of test equipment.

I talked this partway through with Chuck when I was in Dallas. He said the way to go is to apply a signal of known strength to the N-input and put the scope on the BNC to see the Vpk. (NB. $RMS = Vpk * .707$) OK, for the input, I can calculate db from either a power ratio or RMS voltage ratio, and I can easily convert say 5 watts into the 50 ohm load into about 15.8 volts using the formula ($P = V^2/R$ or $R * P = V^2$) or Paul Harden's tables in his Handbook (He uses 16 volts as the value.)

Here's the rub, and I know this is probably dumb. Do I just connect the scope to the BNC to read the voltage and use that squared divided by the square of the input voltage to get my db ratio (I know, then I take its log and multiply by 10) , or do I put a load resistor across the BNC? Do I have to put, say 50 ohms across the BNC and take my scope readings across that resistor? The scope input is, after all, 20k ohms, according to the front panel! Does it matter? I plan to find out for myself, using an attenuator to protect the scope, though I suspect that is overly cautious for this kind of setup. But at risk of inviting flames for my timidity and ignorance, I like to know what I should expect, before I start connecting up RF inputs to my Tek Scope. I waited 30 years to buy it, and I don't want to fry it!

Thanks guys, es 72,

Preston Douglas WJ2V

Date: Wed, 15 Jul 1998 10:15:58 -0400
From: David Fouchey <dafouche@jax-inter.net>
To: Arjen.Raateland@vyh.fi, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [15154] Re: joining open wire feed line?
Message-ID: <3.0.1.32.19980715101558.007f09e0@jax-inter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Arjen, what is the diameter of the wire in your feed line? There are a number of different size compression or crimp style connectors for common wire sizes specifically for such splices, Nicopress is one here in the states which is used for splicing open wire telephone wire for instance. I am sure that if you were to check with a utility contractor in your country you could find something similar. The advantage is they are very good electrically as well as mechanicly.

73's

Dave

wa4emr

At 09:01 AM 7/15/98 +0200, Arjen Raateland, FEI/Impacts Research wrote:

>I had to move my shack and now the experimental joint, using banana
>plugs, in the open wire feed line of my universal HF antenna will end
>up to be outside the building.

>

>I need to make the joint more durable than banana plugs or simple
>soldering will provide. The line hangs down from the doublet and is
>fed through the window, no attachment point in between, so it sways in
>the wind.

>

>I'm thinking of joining the wires by wrapping the paralleled ends
>tightly over a few centimeters with bus wire and then soldering the
>joints.

>

>Solutions are very welcome. Especially time-proven ones.

>

>Thanks for reading this and for your effort in replying.

>

>Arjen Raateland

>---... --- -- ------ ---.. .- ---..

>Finnish Environment Institute, Helsinki, Finland

>SAS Support

>EMAIL: Arjen.Raateland@vyh.fi

>tel. +358 9 4030 0457

>fax +358 9 4030 0490

>.-.-. -.-

>

>

>

Date: Wed, 15 Jul 1998 07:24:07 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: ctrask@primenet.com
Cc: QRP-L@Lehigh.EDU
Subject: [15155] Re: Finding Unusual Dremel Parts
Message-ID: <19980715142407.4977.qmail@hotmail.com>
Content-Type: text/plain

Chris Trask (ctrask@primenet.com) writes:

> Even better is to go into a shop that sells tools and
> materials for jewelers. I buy by crown engravers at Lonnie's (in
> Phoenix) in packs of 6 for less than I'd pay for a single Dremel
> cutter at Home Depot, and they last just as long.

Another handy tool from the jewelers' trade is the jewelers' saw. The blades come as small as a few mils in width and cut through almost anything (even moderately hard steel). I used one recently to cut a hole in a steel plate to make a mount for a ceramic loctal socket.

Brad

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 15 Jul 1998 14:35:25 GMT
From: nhoop@centuryinter.net (Nat H)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [15156] Re: Elmer300: First Experiment
Message-ID: <35b1bd8a.10617820@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wasn't there also a "Greenlee" punch that was good?

73 Nat KM5QU Oxford AR

>The real Whitney punch is better than the copies.
>If you only punch circuit board you won't care and the cheap copy is
>fine. If you ever plan to punch thinner or thicker metal, get
>the real Whitney.
>
>michael N6CHV

Date: Wed, 15 Jul 1998 07:37:36 -0700
From: "Jim Johnson" <km7h@gte.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [15157] FS/FT OLD Argonaut 505 - Needs Work
Message-ID: <000101bdaffe\$1ec93a20\$6cfe2399@km7h>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I took this rig on a trade and don't have the time to work on it. It is partially functioning, but has some glitches. I believe someone tried to change it to work some WARC bands or something. The VFO Coils had been changed (I did get them back to the right frequencies), etc. But its pretty much all there and does sort of work - just needs some bench time. I think what it needs is some work on the tunable front end and I think a transistor or two in the audio amp. It lacks a bottom cover.

I said OLD. Serial # is 00073. I've got a manual.

Would consider trade for single band QRP rig or ???. Make offers. Only the most ridiculous will be ignored!

Jim Johnson, KM7H
Mukilteo, WA
QRP ARCI #3497

Date: Wed, 15 Jul 1998 09:38:26 -0500
From: crc <crc@io.com>
To: qrp-1 <qrp-1@Lehigh.EDU>, alihernlem@hotmail.com
Subject: [15158] Re: Finding Unusual Dremel Parts
Message-ID: <35ACBEE2.5A45@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad Hernlem wrote:

>

> Chris Trask (
> >materials for jewelers. I buy by crown engravers at Lonnie's (in
>
> Another handy tool from the jewelers' trade is the jewelers' saw. The
Brad:
I owned a custom jewelery store for a few years and the main supplier of
tools was Rio Grande Supply in Dallas Texas. The jewelers tools are
designed to work on small valuable bits of metal so for circuit board
work will be great. I use my old lighted magnifier for seeing what I am
working on, the magnified field is about 8 inches across with a round
florescent light mounted arround it. And the Foredom is the industrial
dremmil tool with a cable driven hand piece so you don't need to hold
the 1/4 to 1/3 hp motor in your hand and many different styles of hand
pieces. If they are not in information Dallas let me know and I will ask
some of my old competitors who is the current supplier.
charlie WA5KRF crc@io.com

Date: Wed, 15 Jul 1998 10:48:56 -0400
From: wd4et@juno.com
To: qrp-1@Lehigh.EDU
Subject: [15159] QRP Good Will
Message-ID: <19980715.104911.3646.1.wd4et@juno.com>

Just before Dayton, I ordered one of the LED Keyer kits from Steve Weber
KD1JV. After getting in on the SA MK II kit, I know the value of Steve's
limited run kits.

When the kit had failed to arrive several weeks after Dayton, I dropped
Steve an email asking if it had been shipped. It had been shipped before
Dayton so it must have been lost in the mail. I checked with the post
office and they were unable to locate it. If I recall correctly, Steve
checked back with me. He told me that all of the kits had been sold and
offered me a refund. I didn't expect a refund since I'm sure he is doing
these kits at cost as a service to the community, not even considering
the engineering time that is involved.

I was pleasantly surprised this Monday to find a replacement kit in the
mailbox. I wanted to publicly thank Steve for going the extra mile.

The QRP community is fortunate to have so many volunteers like him. (Jim,
Doug, Paul, Bruce, Chuck, and many others!)

Thanks for the bandwidth. 73, Jeff WD4ET

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 15 Jul 1998 09:27:21 -0600
From: David Ek <ekdave@earthlink.net>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.edu>
Subject: [15160] Re: Stuff for sale--keyer is sold
Message-ID: <01BDAFD2.C5087260.ekdave@earthlink.net>

The MFJ keyer is spoken for.

Dave AB0GO

Date: Wed, 15 Jul 1998 08:27:26 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [15161] MFJ 9020 xcvr
Message-ID: <199807151527.IAA28365@heracles.llnl.gov>

Can someone out on the reflector tell me the version history of the MFJ 9020 cw xcvr? Their current web page blurb says 'new, improved ultra-hot receiver' and I would like to know (if possible) when these changes were made. I am negotiating on a used 9020...

73

Allan K7GT k7gt@qsl.net

Date: Wed, 15 Jul 1998 11:26:25 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@Lehigh.EDU
Subject: [15162] Spectrum Analyzer Article in Aug 98 QST
Message-ID: <13681@w4bkx.ampr.org>

I want my Aug 98 QST WAAAAAAAAA!

de W4PJ / Scott
----- 73 -----

Date: Wed, 15 Jul 1998 11:54:40 -0400
From: Kodaly <kodaly@geocities.com>
To: qrp-l@Lehigh.EDU
Subject: [15163] whither propagation/solar info
Message-ID: <3.0.1.32.19980715115440.00932a90@mail.geocities.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The fellow who maintains
<http://www.dxl.com/solar/index.html>
has gone on vacation for 2 weeks until July 28, his page says.
Last info is July 14 until then. I am sure we all thank him for his work
there, so I hope he has a good 2 weeks (in the sun and away from the solar
page!).

Any ideas for solar info we can consult in the meantime to tell us where
things are. I think from what Paul Harden said that the 28 day cycle was at
the minimum last weekend, so we should be getting better flux numbers from
now on for a couple weeks (20 and 15 were much better last nite - had some
fun with Poland and Bulgaria on cw just before 11 pm local).

If any one wants to point us somewhere at alternate favourites (I have the
NOAA somewhere here) for the interim - I know Chuck likes to have us keep a
watch on at those numbers!!

Brien
VE3VAW

Date: Wed, 15 Jul 1998 12:12:09 EDT
From: KC7MES@aol.com
To: QRP-L@Lehigh.EDU
Subject: [15164] Re: 38s schematic
Message-ID: <618b66c3.35acd4db@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I would like to thank everybody for all the help I recieved, a ham on the local 2-meter repeater was able to provide me a copy of the schematic. Thanks again,

Rob, KC7MES

Date: Wed, 15 Jul 1998 11:28:33 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: nhoop@centuryinter.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15165] Re: Elmer300: First Experiment
Message-ID: <35ACD8B1.2DD14E00@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nat H wrote:

>
> Wasn't there also a "Greenlee" punch that was good?
>
> 73 Nat KM5QU Oxford AR
>

The Greenlee punch was used to make openings for sockets, meters, etc. The portion of the chassis which was removed was 'destroyed' (depending upon the size of the punch), hence these punches would not be useful for creating soldering pads. I was fortunate to receive a set up these punches from about 1/2" diameter up to 3 or 3 1/2" diameter from the estate of a Silent Key. Work great if you need to create a perfectly round opening....so they sit in a drawer with a light coating of grease most of the time!

72
John N9KW QRP-L 1257
Elmhurst, IL

Date: Wed, 15 Jul 1998 12:19:30 -0400
From: Willie Martin <71052.134@compuserve.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [15166] Need Advice
Message-ID: <199807151219_MC2-5332-CFC2@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

I built a 40 meter transmitter that is a "624 Kit", but is also a copy of the Deluxe 5 Watt Transmitter in the "W1FB's QRP Notebook Fig 4-12, pg 124.

My problem is that I can only get 3.5 watts from this unit when measured thru an OHR WM-1 wattmeter. Having limited knowledge of electronics, I need guidance in how to improve the output to 5 watts. The schematics shows the power amplifier circuitry, but I have no idea what to check or how to troubleshoot. Looking for advice on what could be a possible cause for the low output. =

I was given two pieces of equipment when I was licensed in 1993 that were be thrown away by a friends neighbor. The units are: Heathkit Audio Generator, Model IG-72
Heathkit Harmonic Distortion Meter, Model IM-58

Both unit power up, but contain no cables or manuals. What are the possible uses for this equipment? Trying to determine if they may be of value in building QRP equipment.

Any info will be appreciated.

72,
Willie, KE6DKH

Date: Wed, 15 Jul 1998 11:31:39 -0600
From: "Michael S. Williamson" <ag97@sendero.net>
To: qrp-l@Lehigh.EDU
Subject: [15167] magnetic loop antennas and QRP
Message-ID: <980715113635134800@mail>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I'd like the build one-tube 10W xmitter I found in June 83's CQ pg 46. (also at <http://members.xoom.com/Aggie97/10WattTX.gif>)
I'm considering feeding it into a magnetic loop antenna for 80M. I

need something small, low profile, and fairly portable.

>From my understanding of magnetic loop antennas, they would fit my need well. I understand they are very selective antennas. This, in turn, should both reject noise and allow me to safely operate without bothering to put in a low pass filter. Since it's only sensitive to magnetic fields it would even reject electrostatic noise in the tuned region. Is this correct? I'd really appreciate information on building and operating these antennas. What is the efficiency like of a magnetic loop compared to a dipole? Is it true they can operate well only a few inches above the ground? I also understand these antennas develop impressively high currents and voltages within the loop.

73 de Michael
K C 5 C Q M

----- Michael Scott Williamson -----
WWW ** <http://members.xoom.com/Aggie97/>
E-Mail ** michael@aggies.org

Date: Wed, 15 Jul 1998 12:46:08 -0400
From: Kodaly <kodaly@geocities.com>
To: qrp-1@Lehigh.EDU
Subject: [15168] rambles, on the patio and on the radio
Message-ID: <3.0.1.32.19980715124608.0094e630@mail.geocities.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have been pretty busy of late - basically just burned out from the daily routine of doing major technology changes on operating systems.. so much running about fixing the confusers and the confused. Anyhow, with the short Ontario summer etc. more relaxation has been done on the patio reading books and enjoying the fresh breezes than in the shack.

I was reading Thor Heyerdahl's "Kon-Tiki Expedition" and was quite keen to see the role amateur radio played. Couple of the fellows on board had been active army communicators, so they got the job on the raft. National NC-173 receiver and about an 8 watt phone/cw transmitter it seems. This is referred to in Ade Weiss' History of QRP I believe. Anyhow, somewhat funny at the end of the journey when they wash up on a reef and having told their regular contact on-shore that if you don't hear from us in 36 hours (the island they were going to try to land on having been spotted) then send out the boats and rescue attempts.

Of course ALL the gear got wet and they got it going just in the nick of time to try to head off major rescue (this is about 2 days from Tahiti by ship) and then NO ONE will believe they are on an uninhabited South Seas island. They make contact with one fellow who says 'yeah, right, quit pulling my leg fella'. Then they send a general call saying their call and 'all is well' and get back 'so if you are well, so what?...'". Gee. Thanks for the help bub.. no decent radio relay from that guy. In the end they did make contact with their regular skeds and everyone was informed of their safe arrival. Sounded like paradise indeed.
A nice story.

Anyhow.... I did get on last night and was very surprised to hear the bands had improved such that my lowly wire antenna was doing boffo work on the end of a Bulgarian sig, and then others in Poland and ex-Soviet states. Fine business. I did wish for a bit more than 599 OM tns fer qso, since the competition was not all that great but anyhow it got in the log, and I will look for some rag chewers elsewhere in that case.

Brien
VE3VAW

Date: Wed, 15 Jul 1998 13:05:45 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: wd4et@juno.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [15169] Re: QRP Good Will
Message-ID: <3.0.5.32.19980715130545.007df600@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I also wanted to express my similar thoughts. I have not had many dealings with folks on the list directly, but have enjoyed many good pieces of information, for those I have delt with one one thing or other has always left me with a good feeling and reminds me there are good folk still in a world where there is so much wrong, and lastly the Ham community in 99% of the cases are just some of the best folk you'll ever know, but especially those in the QRP community and on this list. Thanks to everyone for doing your part to make the hoby and the world around you a better place.

best 72/73 de n3bby

At 10:48 AM 07/15/1998 -0400, wd4et@juno.com wrote:
>Just before Dayton, I ordered one of the LED Keyer kits from Steve Weber
>KD1JV. After getting in on the SA MK II kit, I know the value of Steve's

>limited run kits.
>
>When the kit had failed to arrive several weeks after Dayton, I dropped
>Steve an email asking if it had been shipped. It had been shipped before
>Dayton so it must have been lost in the mail. I checked with the post
>office and they were unable to locate it. If I recall correctly, Steve
>checked back with me. He told me that all of the kits had been sold and
>offered me a refund. I didn't expect a refund since I'm sure he is doing
>these kits at cost as a service to the community, not even considering
>the engineering time that is involved.
>
>I was pleasantly surprised this Monday to find a replacement kit in the
>mailbox. I wanted to publicly thank Steve for going the extra mile.
>
>The QRP community is fortunate to have so many volunteers like him. (Jim,
>Doug, Paul, Bruce, Chuck, and many others!)
>
>Thanks for the bandwidth. 73, Jeff WD4ET
>
>
>-----
>You don't need to buy Internet access to use free Internet e-mail.
>Get completely free e-mail from Juno at <http://www.juno.com>
>Or call Juno at (800) 654-JUNO [654-5866]
>
>
>

Date: Wed, 15 Jul 1998 18:09:17 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [15170] Samlex PSA-305 P/S
Message-ID: <199807151709.SAA09840@chuck.dallas.sgi.com>

Gang,

Brad Mugleston, KB0ROL, on July 5th mentioned the above power supply from TechAmerica on sale for \$99.97 (normally \$199.95).

Well, I got the TechAmerica catalog in the mail today along with my August QST (so those that don't have theirs yet may still have a chance). Sure enough, on the front page of the catalog is the power supply. Variable 0-30V, 5A continuous/7A ICS. 16.2 lbs.

So, has anyone in this group ordered theirs yet? I have some test equipment and believe or not one of the things that I am missing is a variable power supply. A review someone or feedback from someone that has already been there - done that?

The thing that scares me about something like this? Those that would use it to get "just a little more out" of rigs that we talk about on QRP-L day in and day out..... :-) ;-)
30V on a NC40a makes me cringe just a little.

Info wanted if you have it on the supply before I call later today.

dit dit es tnx

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 15 Jul 1998 11:53:11 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.edu, cqclist@mtechnologies.com
Subject: [15171] Sprint is THIS Sunday
Message-ID: <199807151750.LAA13285@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Time for a reminder about The Great Colorado Gold Rush, a "CQC Sprint" which will take place SUNDAY, July 19th. Yes, the last line is accurate-- there will be a certificate for the top score in each STATE or Province.

The Great Colorado Gold Rush

The Snowshoe Run was so much fun we're going to do a summer verison. The Great Colorado Gold Rush will take place on Sunday, July 19th, 1998 (the day after our picnic meeting).

The Great Colorado Gold Rush
(a.k.a. Fire In The Hole)

Sponsored by the Colorado QRP Club

It was Colorado, 1859. A land swindler had just published the first issue of the Rocky Mountain News in the settlement that would become Denver. A year earlier, small placer gold deposits were found in that old settlement,

near the confluence of the South Platte River and Cherry Creek. And then came the big gold strikes! George Jackson discovered gold in Chicago Creek near Idaho Springs. John Gregory made his famous gold strike not far away, in Clear Creek Canyon. Prospectors dreaming of riches poured into the new gold camps of Central City, Black Hawk, Boulder, Colorado City, Gold Hill, Hamilton, Tarryall, and Pueblo. The fever ran high. The Great Colorado Gold Rush had begun!

Not even a century and a half later, the rush is on again. This time it's the rush to work all states, to join the ranks of DXCC, the desire to sound like a kilowatt but driven only by milliwatts - truly to rush to achieve the impossible.

In honor of our state's colorful history and exciting future, the Colorado QRP Club proudly announces The Great Colorado Gold Rush. This will be a QRP amateur radio contest of unparalleled magnitude, of incredible dimensions, of such unbelievable proportions that---well, it's really just a summer sprint. Two fast hours of heavy hitting. Do your best. Have fun, and good luck in the contest.

When: Sunday, July 19, 1998

Time: 2000-2200 UTC

Band: 20 meters only

Mode: CW only

Power: 5W maximum

Classes: W -- WIRE: single element wire; including dipoles, random wires, Zepp, doublets, inverted V, slopers, single element loops, inverted L, etc.

V -- VERTICAL: verticals; including single element, ground plane, trapped vertical, or anything with vertical polarization and more or less omnidirectional pattern.

B -- BEAM: multi-element arrays/beams; including beams, multi-element loops, phased verticals, V-beam, rhombic, etc.

P -- PORTABLE: non-mobile temporary field station; may use any type of antenna.

If you are not sure about your antenna class, send us a description ASAP
(via E-mail to
n1fn@nttechnologies.com or jmedley@ix.netcom.com).

Operations may be conducted with different antennas provided all antennas
are in the same class.

Exchange: RST + SPC + Class + CQC Member # or Pwr Out

Example: 559 CO V 345 -or- 559 CT P 5W

Multiple contacts: the same station may be worked up to three times
during the contest, provided a minimum of 30 minutes has elapsed since the
last QSO with the same station.

Scoring: 3 points for first contact with a station.
2 points for second contact with the same station.
1 point for third contact with the same station.

Multipliers: all multipliers count once over all. Multipliers are SPC's
and CQC members worked.

Final Score: QSO Points x SPC x CQC Members = Total Score

Logs: Submit logs showing time, callsign, exchange and QSO points for
each
station worked, show totals of multiplier points. Example:

		Time	Call	SPC	Ant	Mem#/Pwr	
		Pts					
2005	W0CQC	CO	V	132		3	
2012	N1FN	CT	W	151		3	
2036	W0CQC	CO	V	132		2	
2037	KA8OM	MI	P	5W		3	
2115	W0CQC	CO	V	132		1	
			Etc.				
Totals		3		2		12	etc.

Dupes: W0CQC - 2005 2036 2115
SPC: CO CT MI
CQC#: 132 151

Please include an alphabetical dupe sheet showing times and calls of
multiple contact stations,
SPC's and CQC Member numbers. Also include a description of your
equipment, antenna(s) used, and power output. All submissions must

indicate entry class and your mailing address including e-mail address if available.

Deadline: Logs must be postmarked or emailed no later than 30 days post contest. Logs received after this deadline will be used as check logs only.

Mail: CQC Gold Rush
c/o Jan Medley, N0QT
5770 Niagara St.
Commerce City CO 80022-4030

E-mail: jmedley@ix.netcom.com
(all E-mail submissions in ASCII format only)

CQC will post a list of received logs on its web site at:
<http://www.mtechnologies.com/cqc>

Awards: Awards will be given for the highest score in each class and the highest score in each state.

73

Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382

--

Date: Wed, 15 Jul 1998 12:43:08 -0600
From: "Michael S. Williamson" <ag97@sendero.net>
To: qrp-1@Lehigh.edu
Message-ID: <980715124804136700@mail>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

who qrp-1

Date: Wed, 15 Jul 1998 11:17:55 -0700
From: W7LS <w7ls@blarg.net>

To: PDouglas12@aol.com
Cc: qrp-1@Lehigh.edu
Subject: [15173] Re: Finding attenuation of sampler in dummy load
Message-ID: <35ACF253.2E1D@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Preston!

Not a dumb question, at all. Here's what I think is proper: Run a 50 ohm hunk of coax from that extra connector on the dummy load over to the scope. Right at the scope connector, put a 50 ohm terminator. Then you can do the $V^2/50$ calculation and be spot on. Do it for several frequencies and make up a curve to use for other freqs.

73 de Jim, W7LS

PDouglas12@aol.com wrote:

>
> Gang,
>
> I have been scratching my head over something that should be elementary, but
> isn't to me. I wonder if one of our more technically skilled members would be
> kind enough to comment on the problem:
>
> I recently purchased a dummy load/RF sampler from a surplus bin. The thing
> was labelled as a 50 ohm load capable of dissipating 50 watts continuously and
> 200 Watts short-term. It consists of a resistor connected to an N-connector.
> The resistor is housed in a small machined brass housing, and it is all
> sitting on a finned heat sink. That much is simple, and indeed my MFJ 259
> shows a good 50 ohm load throughout its whole range from 1-100+ MHz.
>
> Now, the little brass cavity that contains the load resistor has another
> connector sticking into it, a BNC, and it is not intended as a parallel input.
> Indeed, the commercial seller advises it is just a regular BNC with its center
> solder nipple cut off short, to further increase the db separation between it
> and the actual input. In short, it is a signal sampler. Now, as the seller
> pointed out, the amount of separation in db is frequency dependent because,
> presumably that little cut-off bit of metal on the inside end of the BNC makes
> a better "antenna" for UHF than it does for HF. Ok, so I would like to know
> how much separation (ie the attenuation) there is between the input and the
> BNC sampler at various frequencies, so I can make a power chart to go with
> this new piece of test equipment.
>
> I talked this partway through with Chuck when I was in Dallas. He said the
> way to go is to apply a signal of known strength to the N-input and put the
> scope on the BNC to see the Vpk. (NB. $RMS = Vpk * .707$) OK, for the input, I
> can calculate db from either a power ratio or RMS voltage ratio, and I can
> easily convert say 5 watts into the 50 ohm load into about 15.8 volts using

> the formula ($P=V^2/R$ or $R=P/V^2$) or Paul Harden's tables in his Handbook (He
> uses 16 volts as the value.)
>
> Here's the rub, and I know this is probably dumb. Do I just connect the scope
> to the BNC to read the voltage and use that squared divided by the square of
> the input voltage to get my db ratio (I know, then I take its log and multiply
> by 10) , or do I put a load resistor across the BNC? Do I have to put, say 50
> ohms across the BNC and take my scope readings across that resistor? The
> scope input is, after all, 20k ohms, according to the front panel! Does it
> matter? I plan to find out for myself, using an attenuator to protect the
> scope, though I suspect that is overly cautious for this kind of setup. But
> at risk of inviting flames for my timidity and ignorance, I like to know what
> I should expect, before I start connecting up RF inputs to my Tek Scope. I
> waited 30 years to buy it, and I don't want to fry it!
>
> Thanks guys, es 72,
>
> Preston Douglas WJ2V

Date: Wed, 15 Jul 1998 11:20:02 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [15174] Trading fever strikes
Message-ID: <199807151820.LAA28962@heracles.llnl.gov>

Unless someone is willing to install the power mods on my NorCal 40A, I will
be offering my Wilderness Radio NorCal40A with KC-1 keyer/counter to
trade for/accept in trade/ whatever

regarding one of the following:

NorCal 40A modified for 5W output

MFJ 9040

TT 1340, modified for 5W output

any other SMALL rig capable of 5W out on 40.

A built-in keyer is not essential. Size and power IS. I have \$175 in the rig
as it stands and just don't have time to do the power mods myself. (classes
start in 4 weeks and my to-do list is very full)

I also have for trade (if the 40A goes) two sets of transistors for the AB7MY

power mods (2N2222A, J310 and MRF237) and also a set of varicaps for ABX filter in the 40A (got them from Wilderness Radio).

Oh, it won't be available until mid - August. Going backpacking with it !
BTW: its a super rig (have worked ZL with it) but only puts out 2.2 W with 15V right now. More like 1.5 W with tired batteries.

Thanks for your kind attention.

73

Allan K7GT

Date: Wed, 15 Jul 1998 12:42:38 -0600
From: Steven Ciciora <scicior@uswest.com>
To: qrp-l@Lehigh.EDU
Cc: dave_epps@juno.com
Subject: [15175] Pad Cutters
Message-ID: <35ACF81E.37F3@minmail.uswc.uswest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try:

<http://vectorelect.com/prototyping.htm>

Second from the bottom is "Hand Tools: Pad Cutters, Bus Strips, Ejector Handles".

They sell a special bit (less than \$20) that cuts a circular pad around a 0.041"

hole. They also sell a prototype board that has 0.041" holes on 0.1" spacings, with a solid copper ground plane. I've got one and it works great.

Take Care,

Steven Ciciora
KB0PJF

Date: Mon, 13 Jul 1998 20:45:10 -0700
From: dave_epps@juno.com
To: we6w@qsl.net

Cc: qrp-1@Lehigh.EDU
Subject: [15059] Re: Elmer300: First Experiment
Message-ID: <19980713.204510.6158.0.dave_epps@juno.com>

AT Dayton I heard that Dremel sells a cutter that will cut little circular pads.
I haven't been able to find one. I've also seen articles about making your own, but I haven't tried it yet. If enough guys were interested maybe Doug at SAn Luis Mach. could make them.
dave ab5pc fresno, ca.

Date: Wed, 15 Jul 1998 11:50:44 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Bob Tellefsen <cnse97@lmpsil02.comm.mot.com>
Cc: qrp-1@Lehigh.EDU
Subject: [15176] RE: AC6V Noiseless Feedback Amplifier
Message-ID: <Pine.BSF.3.96.980715114237.25649A-1000000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob and the crew,

My memory did serve me well when I remembered seeing the noiseless feedback amplifier somewhere in the recent past. A trip to my bookcase yeilded the following citations:

1996 ARRL Handbook: description starts on pg 15.26
Feb. 1993 QST magazine

The author was Jacob Mahkinson, N6NWP. The articles describe a high dynamic range front end, including preamp, DMOS Fet mixer, and post mixer amp. While it's robust, it's definitely not a low power design. Sort of akin to using 807's in the front end of a hollow-state rx!

73,
Bob - W3CD

Date: Wed, 15 Jul 1998 14:53:05 -0400
From: David Fouchey <dafouche@jax-inter.net>
To: w4pj@w4bkkx.ampr.org, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [15177] Re: Spectrum Analyzer Article in Aug 98 QST
Message-ID: <3.0.1.32.19980715145305.007bd7d0@jax-inter.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:26 AM 7/15/98 EDT, w4pj@w4bkx.ampr.org wrote:

> I want my Aug 98 QST WAAAAAAAAA!

>

>

>de W4PJ / Scott

>----- 73 -----

The bane of modern civilization, the desire for instant gratification...;-)

Dave
wa4emr

Date: Wed, 15 Jul 1998 14:58:46 -0400
From: joel malman <malman@world.std.com>
To: qrp-1@Lehigh.EDU
Cc: malman@world.std.com
Subject: [15178] Items for sale
Message-ID: <199807151858.AA17885@world.std.com>

Folks,

I have decided to sell the following rigs to raise some cash for my next project. Prices include shipping to USA address.

1. Wilderness SST/20, built, works fine. Case painted black. \$70.
2. Wilderness SST/40, built, works fine. Not painted. \$70.
3. Wilderness NC40a, built, works fine. Original model. \$70.

All with original documentation. Please don't try to nickel and dime me.

/joel wa1qvm (Concord, Mass)

Date: Wed, 15 Jul 1998 14:20:55 -0700
From: claudewb9euu@juno.com (CLAUDE PALUSKI)
To: qrp-1@Lehigh.EDU

Subject: [15179] NEED SCOPE INFO

Message-ID: <19980715.142059.7270.0.CLAUDEWB9EUU@juno.com>

HAVE THE OPPORTUNITY TO PURCHASE A TEKTRONICS MODEL 2213A SCOPE. IT IS A DUAL CHANNEL 60 MHZ, AND THE PRICE SEEMS RIGHT. ANYONE HAVE ANY KNOWLEDGE OF THIS PIECE OF EQUIPMEN-- PROS, CONS, OR WHATEVER.

72 & TNX IN ADVANCE CLAUDE WB9EUU @ JUNO.COM

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 15 Jul 1998 12:34:57 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Robert P. Okas" <vintage@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15180] RE: AC6V Noiseless Feedback Amplifier
Message-ID: <Pine.BSI.3.96.980715123336.4061A-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 15 Jul 1998, Robert P. Okas wrote:

> Hi Bob and the crew,
>
> My memory did serve me well when I remembered seeing the noiseless
> feedback amplifier somewhere in the recent past. A trip to my bookcase
> yeilded the following citations:
>
> 1996 ARRL Handbook: description starts on pg 15.26
> Feb. 1993 QST magazine
>
> The author was Jacob Mahkinson, N6NWP. The articles describe a high
> dynamic range front end, including preamp, DMOS Fet mixer, and post mixer
> amp. While it's robust, it's definitely not a low power design. Sort of
> akin to using 807's in the front end of a hollow-state rx!
>
I remember this one as well. Uses almost 1/4 amp at 12 volts to get a +40dB IP3, or something like that. I'm getting the same performance with less than 100mA.

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Manufactured in Hong Kong

The Samlex web site is: <http://www.samlexamerica.com/>

This PS is variable voltage only - *not* variable or constant current. I didn't order one but, it looks like a nice little supply if the specs meet your needs. :)

72 - Conrad - NN6CW

Date: Wed, 15 Jul 1998 14:01:15 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [15182] Re: MFJ 9020 xcvr
Message-ID: <Pine.SOL.3.91.980715135529.16271A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 15 Jul 1998, Allan G. Taylor wrote:

> Can someone out on the reflector tell me the version history of the MFJ
> 9020 cw xcvr? Their current web page blurb says 'new, improved ultra-hot
> receiver' and I would like to know (if possible) when these changes were made.
> I am negotiating on a used 9020...

The most significant improvement I am aware of was generated from how several MFJ owners modified theirs (myself included) several years back, and that is the FET buffer between the crystal filter output (about 300 ohms) and the MC1350 input (1500 ohms). Without the buffer amplifier, there is an impedance mismatch (300:1500 ohms) that introduced a fair amount of noise to the already noisy MC1350 IF amplifier. Therefore, in buying a used one, see if it has the FET buffer installed. It is located on the right hand side of the PCB about half-way back, right by the array of the 4 IF filter crystals. The better impedance matching of this simple circuit greatly reduces the noise (hiss) in the receiver.

Generally, most MFJ 9000 series receivers should have a minimum discernable signal (MDS) in the -120dBm range.

GL, Paul NA5N

Date: Wed, 15 Jul 1998 13:12:59 -0700
From: Conrad <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.edu>
Subject: [15183] 11-2-10 (CB-2-10M) update...
Message-ID: <01BD AFF2.4AEC79C0.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

A brief update on Steve Weber's progress on the 11-2-10 PLL conversion kit:

Yes, he is melting solder.:) He's moving forward on the prototype board. Yesterday he was dealing with both noise problems and uP timing issues. He'll probably switch to a different uP to solve the timing issues. A bit of SMT will cure the last bit of noise.... (no, you shouldn't have to deal with SMT in the final kit:)

Steve feels that he's now got a handle on a couple of nasty design problems that have been hampering his efforts and things are looking *very* optimistic to him. We should hear something perhaps tomorrow or next day re: how the new proto is performing.

Naturally, we all know he'll be victorious - I'm just trying to update you and add a bit of drama :)

More news as it happens,

72 - Conrad - NN6CW

Date: Wed, 15 Jul 1998 14:27:48 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@Lehigh.edu
Subject: [15184] Re: 11-2-10 (CB-2-10M) update...
Message-ID: <35AD10C4.4EC594CF@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
> Yes, he is melting solder.:)
> Naturally, we all know he'll be victorious
Oh, to possess and use such knowledge.
```

John A. Evans	Chief Systems Administrator
Office: (719) 528-1800 x164	Titan Software Systems
Fax: (719) 528-1888	1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com	Colorado Springs, CO 80907-3535

Date: Wed, 15 Jul 1998 15:20:25 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: 71052.134@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15185] Re: Need Advice
Message-ID: <35AD0F09.4418DB63@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

But, hang onto it. Ham radio has a way of making *everything* needed sooner or later. At least, I have been telling my wife that (and getting away with it!) for over 47 years now.

72/73, George
Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Willie Martin wrote:

>
> I built a 40 meter transmitter that is a "624 Kit", but is also a copy of
> the Deluxe 5 Watt Transmitter in the "W1FB's QRP Notebook Fig 4-12, pg 124.
>
> My problem is that I can only get 3.5 watts from this unit when measured
> thru an OHR WM-1 wattmeter. Having limited knowledge of electronics, I
> need guidance in how to improve the output to 5 watts. The schematics
> shows the power amplifier circuitry, but I have no idea what to check or
> how to troubleshoot. Looking for advice on what could be a possible cause
> for the low output.
>
> I was given two pieces of equipment when I was licensed in 1993 that were
> be thrown away by a friends neighbor. The units are: Heathkit Audio
> Generator, Model IG-72
> Heathkit Harmonic Distortion Meter, Model IM-58
>
> Both unit power up, but contain no cables or manuals. What are the
> possible uses for this equipment? Trying to determine if they may be of
> value in building QRP equipment.
>
> Any info will be appreciated.
>
> 72,
> Willie, KE6DKH

--

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Wed, 15 Jul 1998 16:38:12 -0400
From: Paul Helbert <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [15186] Freq-Mite: Good News/Bad News
Message-ID: <35AD1334.AB8F550@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I built the Freq-Mite and it works splendidly.

I first built and tested it with a 12v power supply and installed R5 470 ohms as directed. Later, I built it into an Altoids tin and had room for a 9v battery, so tried it on 9v without changing R5. It still seems to be working fine even with the battery down to 8.6v. I did not expect this. Wonder why a 330 Ohm resistor was called for with 9v?

I measured frequency in my T-Kit 1240 three ways:

- 1) directly off the L0, unshielded wire to Freq-Mite.
- 2) directly off the final amplifier (2 w directly into the Freq-Mite).
- 3) with an alligator clip on the coax ground sleeve at the rear of the rig and an unshielded wire run from there directly into the Freq-Mite.

Readings appear to be accurate in all cases. I'm surprised by the success of method 2, and pleased with method 3. Should I always expect to have enough leakage for this third method to work?

Now for the bad news. This works so well that I don't need a counter in every rig, so Dave only got to sell me one.

Sorry,

Paul, Wv3j

Date: Wed, 15 Jul 1998 15:43:30 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: 71052.134@compuserve.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.edu>
Subject: [15187] Re: Need Advice
Message-ID: <35AD1472.7EFCB34D@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow, when I make a typing error I really do it!!

Willie and others, please replace the last sentence in the second paragraph with this:

"If you get into SSB later on, and for audio work in receivers, such

equipment could have use then."

Sorry about that!

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

George T. Baker wrote:

<snip>

> Offhand, I see no direct application for the Heathkit test equipment to
> your present transmitter situation. If you get into SSB later on and for
> audio work in receivers, such equipment could have no use then.

<snip>

Date: Thu, 16 Jul 1998 08:47:07 +1200
From: "Grindrod, Ross [Pulp & Paper]" <GRINDRR@chh.co.nz>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [15188] CB to 10 conversion
Message-ID: <199807152046.IAA09079@host02.net.voyager.co.nz>
MIME-Version: 1.0
Content-Type: text/plain

Hello fellow hams

I have been through my junk and discovered I have an old CB set (just
for ratting) but have now been encouraged to put it on ten by the recent

discussion.

The set is a HMV Roadhound TX77
and the board has a number on it TP-s30-hr
the unit is a Australian set ,
the PLL unit is PLL02
and the divider unit has had its brand/chip scrubbed off

Is there any one out there with a schematic so as I can resurrect the
unit ,also I will be on the lookout for details on the conversion
any one with a web site providing details I would appreciate it

Ross Grindrod
ZL3DC

Date: Wed, 15 Jul 1998 17:25:31 -0400
From: dunk@jupiter.otherside.com (John Dunker)
To: qrp-1@Lehigh.EDU
Subject: [15189] SALE ARGO II
Message-ID: <199807152125.RAA05882@jupiter.otherside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

@
FOR SALE : TEN TEC ARGONAUT II
 TEN TEC AC SUPPLY
 TEN TEC MOBILE BRACKET

RADIO IS IN EXCELLENT CONDITION AND WORKS FINE. I'VE NEVER HAD IT
MOBILE.

PRICE \$875.00

PHONE (812)-951-2112

THANKS

JOHN W9UR

Date: Wed, 15 Jul 1998 17:30:30 -0400
From: joel malman <malman@world.std.com>
To: qrp-1@Lehigh.edu
Subject: [15190] Items for Sale
Message-ID: <199807152130.AA08029@world.std.com>

Group,

All three rigs have been spoken for. They went fast.

thanks

/joel wa1qvm (Concord, Mass)

Date: Wed, 15 Jul 1998 20:40:26 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [15191] A'debuggin' we will go....
Message-ID: <199807152141.QAA24112@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang:

I am once again going through the experience of debugging one of those little K1BQT RadioKit rigs, a QRP-40....

Yep... I put the power to it first this time.....was supposed to be working to some degree.... Receiver could hear and the filter worked.....On about the correct frequency....But No TX and no guarantee on the RX.... Got it that way, all up front...

So I said..."Lets see if the transmitter works...." See I didn't want to give y'all another case of the heebeegeebees.... :-)) So we connected up all the appropriate cables....ran a coax over from the BTI (Basic Test Instrument...the TS450S) and with the OHR power meter in line to a dummy load we keyed up....

Click.....Nada.....the WM-2 didn't even wiggle the needle on the lowest scale (100mw)... Hmmmmmmmm.....Lets see if we got B+.er... ah...Vcc.....nope....

Good grief Charlie Brown we've got to debug that confounded relay.... Following the 'Preston Douglas first law of debugging RadioKit QRP-X0s' Get the relay wiring right!

For those of you who wonder what can be so mysterious about relay wiring, let me digress.....The instructions for this kit were those from the Sept '90 Littlefield article in CQ which used an relay and a board mounted diode across the relay coil for kickback control. An addendum to the instructions mentioned that 'some kits' were supplied with a built in diode and gave a little test procedure to determine which type of relay you had. Then depending on which on you had, you wired a couple of jumpers differently, and left off the external diode.... Seems simple enough.....but certainly not 'HeathKitish'.....

Now it seems that each builder had his own idea of how to solve this little problem,
and every one of these that I have seen is slightly different....cut land here....

jumper there....diode somewhere else it there at all.....This one apparently has the diode built in cause the jumpers are switched and no external diode....Can see this from the top of the board.....

And the real kicker is that you have to take the board out of the box to see the bottom side and determine just what the previous people might have done.... And....of course to take the board out you have to either desolder all of the controls and jacks, or take off all the knobs and take out all the controls and jacks (except for the phono jack antenna jack which comes out instead of coming out in.....). I chose the latter route.....and did I mention unbolting the final from the bottom of the case.....

I am fast becoming a proponent of the 'put all the jacks and controls on the board' school of thought.....And the first rig supplier that dreams up a case that lets you get to both sides of the board without taking out more than the case cover screws, get a gold leaf Attaboy!!!

Am I just lazier than most people or does everybody hate disassembling the whole rig to do a little debugging??????

Anyway before tearing into the whole tamale I poked around looking for the elusive 13.8v Vcc.....Looking down at the final it sorta' looked like the solder lug was touching the case, but couldn't tell for sure.....Resistance check seemed to say that it wasn't touching...Hmmmmmmmm must not be cause that would put a dead short on the B+ in....er... ahhh Vcc into the rig and nothing seemed to groan when I tested the TX...and the light didn't light.... (In the absence of a fuse I put a small auto store incandescent light in the source line in case of dead shorts...saves some stuff... Lights at about 135 ma....)

So I just bit the bullet and started taking everything apart.....Wouldn't you know I tried to take the board out of the case with the final still bolted to the floor of the case.....Dumb.....Twiddle... Twiddle... Twiddle..... Hmmmm... that's interesting, don't see the shoulder washer... must be buried in all that white silicone gook.....

Got the board out and turned it over and had a look at the underside of the relay....AHhhhhhhh Ha! There's the fuse that blew! The land running from the relay terminal to the pad where the 13.8v came in was mostly gone..... Been some time too cause it doesn't look fresh.....Sumpin' was pulling lot's more current than planned for.....Hmmmmmmmm

Now lets see....how could the rig RX be working and the relay work if the trace is blown here.... Hmmmmmmmmmm Oh, I see, these relay contacts only turn on the VCC for the final, driver and the rit cutout switch....the rest of the stuff is run off of the regulated 12v and that doesn't come through

the relay.....Soooo of course the RX could play if it was amind to.....

Well lets clean up the board and solder in a fixit wire and clean the gook off the final and see if its OK.....Look at the bolt....sure enough... a plastic shoulder

washer buried in the gook....Hmmm.....seems that the final is OK, at least from the simple ohmmeter check point of view.....Maybe we did have a short in there somewhere, or maybe there's still a short in there.....Wasn't when I checked

it just before pulling it all apart....but did bang in on the table to knock loose any

crud.... Hmmmmmm

Well lets see what the replacement situation is if we blow the final while trying to get it all going.....

Lets see, seems like I bought two of the wrong transistors for the IC720A drivers that blew some time ago.....I wonder.....Got on www.nteinc.com and looked up

the equivalent for the MRF476 (which was specified in the original K1BQT article) and the 2SC2166 (which was actually in the rig) and the 2SC2075 (which one of the addenda said was 'now the final'...) and the MRF477 (used in the MFJ9420).....

Isn't that interesting....

MRF476	>	NTE235
2SC2075	>	NTE235
2SC2166	>	NTE236
MRF477	>	none

and wouldn't you know it.....the ones I bought by mistake were NTE236s... Smile.....Close enough.....and I have a spare.... :-)

Before I discovered the lack of voltage to the TX driver and final I had verified that we were getting 7 MHz out of the TX mixer....peaked it ok with the cap.... Used an ancient RF probe that I had made from a diode, a resistor, and a couple of caps.....If you can call twisting all the component leads together in the right order and soldering them, making a probe.... :-) Had to get out the handbook and look at one of their circuits to see which was the gozintas and which was the gozoutas.....

How bad can it be to debug the driver and final stage (Ho Ho I hear from the past...) especially when you really suspect the flaky final mounting setup..... I see that the mounting hole had to be hogged out to provide clearance for the back wall of the case....Same thing I had to do on the other one.... And of course that dorks up the alignment of the final leads to the board....

Lets see....what did Mike find about that grid er...ah... base resistor in the

driver or final?....Where are those notes.....

So here we are again....with the TX to debug and a deadline coming up.....(Leaving for Ft Tuthill on next Sunday or Monday if we can get the trailer work finished....)

(Ole' wait til the last minute Wise.....:-))

This Saga must be continued,
hopefully at least one more installment before we hit the trail for the big AZ.....

Larry KA5T

Date: Wed, 15 Jul 1998 17:44:41 -0400
From: Bob Edwards <w4ed@flash.net>
To: eakwikjr@hti.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15192] Re: S51AP correct call?
Message-ID: <35AD22C9.81F66DA7@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Edward A Kwik jr wrote:

>

> ... S five one AP? Can this be correct?

Yes, I have a 40M CW/QRP QSL from S51QZ in Slovenia
(his spelling), his city is Sevnica.

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

```

      //
     // |
    | / | \
   / | / E | \
  / _ | / _ _ _ | _ \
 [ \ --===== - /
```



~~~~~  
-----  
Date: Wed, 15 Jul 1998 14:44:14 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [15193] BUBBA Sprint and WARC Bands  
Message-ID: <199807152144.0AA12714@usr06.primenet.com>

Howdy Folks,

Just confirmed the BUBBA error in the August QST  
Contest Corral. Please please PLEASE DO NOT use  
the WARC bands for BUBBA!

George (K5TR), new Corral editor, apologized but  
it wasn't really his fault. Simple typo made worse  
by a new habit of QST replacing the word "WARC" with  
"12/17/30 meters". So QST typesetters changed George's  
"(now WARC)" to read "(including 12/17/30 meters)".

So... Please keep the WARC bands contest-free for  
ragchewing.

Because it's what a good BUBBA should do....

Thanks folks!

115F in Phoenix today - maybe we should move BUBBA  
to July! :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's HOT! Africa hot! Tarzan couldn't take this kinda hot!" -Biloxi Blues

-----  
Date: Wed, 15 Jul 1998 15:00:37 -0700 (PDT)  
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
To: qrp-1@Lehigh.edu  
Subject: [15194] 38 Special original assembly info  
Message-ID: <199807152200.PAA29721@heracles.llnl.gov>

I have yet to get any offers of a copy of the 38 Special original assembly information. I could sure use this packet... else, why doesn't someone offer to buy it (the 38 special with 5 W mod and tick keyer) for what I have in it and I will start over on a 30m rig.

K7GT

-----  
Date: Thu, 16 Jul 1998 04:02:23 -0500  
From: "Juan David Zuloaga" <hk4bmg@epm.net.co>  
To: "QRP-L LIST" <qrp-l@Lehigh.edu>  
Subject: [15195] ELMER 101, 200, 300, HK.....  
Message-ID: <01bdb098\$9fa5c240\$1f0d58d1@hk4bmg.epm.net.co>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
          boundary="-----=\_NextPart\_000\_0039\_01BDB06E.B6CFBA40"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0039\_01BDB06E.B6CFBA40  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi all, I=B4m new in this list (3 days). I find these projects very =  
interesting and educational. I would like to get filled in as to know =  
how they work. Also, If I may still joint or get the information to =  
participate.  
are there any schematics ?

I just discovered this group here in the internet. and is like a =  
blessing to me because maybe (or better for shure) I could use some of =  
your experience to help our locar club on a project I proposed here and =  
was accepted.

the project is this:  
I am developing a similar project here in Colombia (South America). I =  
will have about 80 Kids from arround the country in a three day meeting =  
for kids who whant to become Hams. We call this grup "COMITE JUVENIL" =  
and is part of the "LIGA COLOMBIANA DE RADIOAFICIONADOS" wich is the =  
Colombian amateur radio league.

One of our purposes is to have a one afternoon building project =  
assembling a 40 METER DC RECEIVER. I have a sample prototype with a NE =  
602 and an LM386 Audio IC. =20

I would like to have last minute suggestions since I=B4m encharged to =  
carry on and complete the project. The meeting will be held on August =  
14, 15 and 16 and I have been assigned to the afternoon of Saturday 15 =  
Th.

Feel free to answer to my E-mail directly.

Thanks in a advance.

73 DX

JUAN ZULOAGA / HK4BMG /  
E-mail: hk4bmg@epm.net.co  
MEDELLIN, COLOMBIA S.A.

-----=\_NextPart\_000\_0039\_01BDB06E.B6CFBA40  
Content-Type: text/html;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">  
<HTML>  
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =  
http-equiv=3DContent-Type>  
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>  
</HEAD>

<BODY bgColor=3D#ffffff>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Hi all, I&acute;m new =  
in this list (3=20  
days). I find these projects very interesting and educational. I would =  
like to=20  
get filled in as to know how they work.&nbsp; Also, If I may still joint =  
or get=20  
the information to participate.</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>are there any =  
schematics=20  
?</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>I just discovered this =  
group here in=20  
the internet. and is like a blessing to me because maybe (or better for =  
shure) I=20  
could use some of your experience to help our locar club on a project I =  
proposed=20  
here and was accepted.</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>the project is this:</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>I am developing a =  
similar project=20  
here in Colombia (South America). I will have about 80 Kids from arround =  
the=20  
country in a three day meeting for kids who whant to become Hams.&nbsp;<div> =  
We call=20  
this grup &quot;COMITE JUVENIL&quot; and is part of the &quot;LIGA =  
COLOMBIANA DE=20  
RADIOAFICIONADOS&quot; wich is the Colombian amateur radio =  
league.</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>One of our purposes is =  
to have a one=20  
afternoon building project assembling a 40 METER DC RECEIVER.&nbsp;<div> I =  
have a=20  
sample prototype with a NE 602 and an LM386 Audio IC.&nbsp;<div> =  
</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>I would like to have =  
last minute=20  
sugestions since I&acute;m encharged to carry on and complete the =  
project.&nbsp;<div>=20  
The meeting will be held on August 14, 15 and 16 and I have been asigned =  
to the=20  
afternoon of Saturday 15 Th.</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Feel free to answer to =  
my E-mail=20  
directly.</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Thanks in a =  
advance.</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>73 DX</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>JUAN ZULOAGA / HK4BMG =  
</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial =  
size=3D2>E-mail:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<A=20  
href=3D"mailto:hk4bmg@epm.net.co">hk4bmg@epm.net.co</A></FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>MEDELLIN, COLOMBIA=20  
S.A.</FONT></DIV></BODY></HTML>

-----\_NextPart\_000\_0039\_01BDB06E.B6CFBA40--

-----  
Date: Wed, 15 Jul 1998 15:17:44 -0700 (PDT)  
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
To: qrp-l@Lehigh.edu  
Subject: [15196] 38 Spcl documentation: acquired!  
Message-ID: <199807152217.PAA29788@heracles.llnl.gov>

W7HLO has stepped forward to solve my documentation problem with the 38 Spcl.  
Thanks also to N5EM who also offered.

73 Allan K7GT

-----  
Date: Wed, 15 Jul 1998 15:21:55 PDT  
From: "laura halliday" <marsgal42@hotmail.com>  
To: qrp-l@Lehigh.edu  
Subject: [15197] Re: S51AP correct call?  
Message-ID: <19980715222155.24640.qmail@hotmail.com>  
Content-Type: text/plain

Yes: S5 = Slovenia. Us satellite/microwave types are familiar with Matjaz Vidmar S53MV and his wild and wonderful creations, like 13cm packet radios that zip along at 1.2 MBPS, receivers for things like HRPT weather satellite imagery, a homebrew computer for DSP applications, even a homebrew GPS/GLONASS receiver. See DUBUS, UKW Berichte/VHF Communications, etc.

Formerly YT3MV, YU3MV. Politics, ya know...

Laura Halliday VE7LDH "Laisse le vent tout emporter..."  
Grid: CN88hk IOTA: NA036 - Foly/Viennet

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Thu, 16 Jul 1998 05:51:43 -0500  
From: "Juan David Zuloaga" <hk4bmg@epm.net.co>  
To: "QRP-L LIST" <qrp-l@Lehigh.EDU>  
Subject: [15198] Neophyte 40 M receiver  
Message-ID: <01bdb0a7\$b8ae4e60\$d20d58d1@hk4bmg.epm.net.co>

MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_NextPart\_000\_0004\_01BDB07D.CFD84660"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0004\_01BDB07D.CFD84660  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi all,

Does anyone has a description or schematics on this receiver ?  
Also coments on how it will be as a begginer project for youngsters to =  
be hams?

Thank you

Juan Zuloaga=20

HK4 BMG  
Email: hk4bmg@epm.net.co

-----=\_NextPart\_000\_0004\_01BDB07D.CFD84660  
Content-Type: text/html;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">  
<HTML>  
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =  
http-equiv=3DContent-Type>  
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>  
</HEAD>  
<BODY bgColor=3D#ffffff>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Hi all,</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Does anyone has a =  
description or=20  
schematics on this receiver ?</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Also coments on how it =  
will be as a=20  
begginer project for youngsters to be hams?</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Thank you</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Juan Zuloaga =  
</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>HK4 BMG</FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial size=3D2>Email: <A=20  
href=3D"mailto:hk4bmg@epm.net.co">hk4bmg@epm.net.co</A></FONT></DIV>  
<DIV><FONT color=3D#000000 face=3DArial =  
size=3D2></FONT>&nbsp;</DIV></BODY></HTML>

-----=\_NextPart\_000\_0004\_01BDB07D.CFD84660--

-----  
Date: Wed, 15 Jul 1998 22:50:35 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: qrp-1@Lehigh.EDU  
Subject: [15199] For Trade  
Message-ID: <35ae3054.15257882@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

Creative 32x CD-ROM drive, manufactured Jan 1998, manual, driver disk -- =  
\$75

Two Heathkit HM-102 Wattmeters, manufactured sometime before the CD-ROM, =  
2KW  
down to 200W, SWR, HF only. Could be adjusted to a 20/2W scale if =  
desired (I  
think) -- \$35 ea.

Two sealed lead acid batteries, 4AH (RS 23-289) -- \$20 ea. (incl =  
shipping)

Santec W-200 200W (max) DC-150MHz wattmeter/SWR meter, forward, =  
reflected, SWR  
-- \$85

Looking for Sierra, digital camera or video capture for PC, ???

Prices are in the unlikely event of sale rather than trade. I prefer to =  
trade  
-- keeps things simpler.

--

72 es 73 de Marty, KM7W

-----  
=46ranklin, Tennessee <http://home.earthlink.net/~mwattcpa> =

=20

NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

-----  
Date: Thu, 16 Jul 1998 05:54:58 -0500  
From: "Juan David Zuloaga" <hk4bmg@epm.net.co>  
To: "QRP-L LIST" <qrp-l@Lehigh.EDU>  
Subject: [15200] RV: Neophyte 40 M receiver  
Message-ID: <01bdb0a8\$2cffd540\$d20d58d1@hk4bmg.epm.net.co>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_NextPart\_000\_0011\_01BDB07E.4429CD40"

This is a multi-part message in MIME format.

-----\_NextPart\_000\_0011\_01BDB07E.4429CD40

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

How about same information and opinions for the "Sudden" receiver

-----Original Message-----

De: Juan David Zuloaga <hk4bmg@epm.net.co>  
Para: QRP-L LIST <qrp-l@Lehigh.EDU>  
Fecha: Jueves 16 de Julio de 1998 05:51 AM  
Asunto: Neophyte 40 M receiver

Hi all,

=20

Does anyone has a description or schematics on this receiver ?

Also coments on how it will be as a begginer project for youngsters to =  
be hams?

=20

Thank you

=20

Juan Zuloaga=20

=20

HK4 BMG

Email: hk4bmg@epm.net.co

=20



-----=\_NextPart\_000\_0011\_01BDB07E.4429CD40

Content-Type: text/html;  
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

<HTML>

<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =  
http-equiv=3DContent-Type><!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 =  
HTML//EN">

<META content=3D'MSHTML 4.71.1712.3' name=3DGENERATOR>

</HEAD>

<BODY bgcolor=3D#ffffff>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>How about same =  
information and=20

opinions for the &quot;Sudden&quot; receiver</FONT></DIV>

<DIV><FONT face=3DArial size=3D2><B>-----Original =

Message-----</B><BR><B>De:=20

</B>Juan David Zuloaga &lt;<A=20

href=3D"mailto:hk4bmg@epm.net.co">hk4bmg@epm.net.co</A>&gt;<BR><B>Para: =

</B>QRP-L=20

LIST &lt;<A =

href=3D"mailto:qrp-1@Lehigh.EDU">qrp-1@Lehigh.EDU</A>&gt;<BR><B>Fecha:=20

</B>Jueves 16 de Julio de 1998 05:51 AM<BR><B>Asunto: </B>Neophyte 40 M=20

receiver<BR><BR></DIV></FONT>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Hi all,</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Does anyone has a =  
description or=20

schematics on this receiver ?</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Also coments on how it =  
will be as a=20

begginer project for joungesters to be hams?</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Thank you</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Juan Zuloaga =

</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>HK4 BMG</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Email: <A=20

href=3D"mailto:hk4bmg@epm.net.co">hk4bmg@epm.net.co</A></FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial =  
size=3D2></FONT>&nbsp;</DIV></BODY></HTML>

-----=\_NextPart\_000\_0011\_01BDB07E.4429CD40--

-----

End of QRP-L Digest 1153

\*\*\*\*\*

-----